TECHNICAL REPORT
67-20-CM

# DESIGN TABLES FOR TEXTILE FABRICS: TABLES OF SOLUTIONS OF EQUATIONS FOR MAXIMUM WEAVABILITY FABRICS MADE FROM SINGLE FIBER SPECIES AND BLENDS

by

Louis I. Weiner



August 1966

UNITED STATES ARMY
NATICK LABORATORIES
Natick, Massachusetts 01760

Clothing and Organic Materials Division

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LOUIS I. WEINER
Materials Research Branch

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Clothing and Organic Materials Division
U. S. ARMY NATICK LABORATORIES
Natick, Massachusetts 01760

## FOREWORD

The U.S. Army Natick Laboratories, as part of its research mission in the field of Textiles, has extended the pioneering work of F.T. Peirce on fabric geometry to develop equations, graphs, and tables which can be used in the design of practical textile structures. The studies initiated and supported by the Department of the Army since 1952 have translated initial, rather theoretical, concepts of fabric geometry into easily useable engineering design data.

In 1952, E.V. Painter developed a system for the graphical analysis of plain weave fabrics based on a plot of the basic Peircean equations for the plain weave.

In 1957, D.F. Adams, E.R. Schwarz, and S. Backer developed a nomographic solution of the geometric relationships in the plain weave.

The first attempt to extend the work of Peirce to fabrics other than the plain weave was accomplished in 1955 by L. Love, who derived the equations for maximum weavable cotton fabrics and plotted graphs which could be used in design.

In 1964, L.I. Weiner and J.E. Johnston, Jr., making use of a GE 225 Computer, tabled the equations for maximum weavable cotton fabrics, covering a practical range of variables for the plain, 3-, 4-, and 5-harness, and the oxford weaves.

In the present report the generalized solutions of the maximum weavable equations are derived and tabled for a broad spectrum of yarn bulk densities; this now permits the design of fabrics made from any of the textile fiber species in use today and any blend of them.

In making these tables available, we hope to assist the textile fabric designer in the rather difficult problem of designing maximum weavable textile structures, and also to encourage further studies of the relationship between fabric geometry and fabric performance.

We wish to acknowledge the contributions made to the Army studies of fabric geometry by the above-named individuals and contributions of many others in this country and abroad who have worked toward the simplification of a rather complex textile geometry. Appreciation is expressed to the Data Analysis Office of the U.S. Army Natick Laboratories for the use of their computer and to Mr. David Gracia of the Data Analysis Office for writing the program for solutions to the equations.

S. J. KENNEDY
Director
Clothing & Organic Materials Division

APPROVED:

DALE H. SIELING, Ph.D.
Scientific Director

W. M. MANTZ
Brigadier General, U.S.A.
Commanding

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ABSTRACT

This report contains in tabular form the solutions of the maximum weavability equations for the plain, oxford, 3- and 4-harness twills, and 5-harness sateen in terms of warp and filling cover factors and yarn number ratio (beta) for fabrics made from any fiber species and from blends. The tables are set up for yarn bulk densities ranging from 0.54 to 4.6; this includes fibers as light as polyethylene and as heavy as stainless steel. Supplementary tables are provided giving yarn bulk densities (assuming a standard packing coefficient of 0.59) for all of the commercial fibers and for blends of the most important commercial fibers in increments of 5% ranging from 5% to 95% blend composition.

TABLES OF SOLUTIONS OF EQUATIONS FOR MAXIMUM WEAVABILITY

FABRICS MADE FROM SINGLE FIBER SPECIES AND BLENDS

1. Purpose and Scope

a. Purpose

The tables in this report are presented to facilitate the designing of high-texture or maximum-weavable fabrics. Maximum-weavable fabrics are the largest class of functional fabrics used by industry and the military. Among many weaves they include: ducks, poplins, wind-resistant twills and sateens, airplane and balloon cloths, and linings. In designing maximum-weavable fabrics it is always of concern to the designer to know whether his fabric is practical in terms of the capacity of the loom to put in the necessary picks.

The purpose of these tables is to eliminate the need for direct computation or for graphical techniques previously used for obtaining the solution of maximum weavability problems. For the first time, the tables provide the solutions to the maximum weavability equations for fabrics made from any type of fiber or from blends. These tables augment those published in Textile Series Report No. 128 (1), which can be used only for cotton fabrics.

b. Scope

This report contains in tabular form the solution of the equations for maximum weavability fabrics for the plain, oxford, 3- and 4-harness twills, and 5-harness sateen for yarn bulk densities equivalent to polyethylene on the low side and to stainless steel on the high side and including all the commercial textile fibers and blends of the most common textile fibers in increments of 5% from 5% to 95% blend composition.

The maximum weavability tables (Table III) in this report provide solutions over a warp cover factor range of from 8 to 62 inclusive (on a sliding scale depending upon yarn bulk density), at intervals of 1, and over a beta factor range of from 0.5 to 2.0 at intervals of 0.1. Where design data are given in terms of yarns per inch and warp or filling yarn number, cover factors and beta factors may be obtained from tables in Textile Series Report No. 128 (1) or computed from equations (4), (5), or (6) given in 3c below.

In addition, two tables are presented which provide a means of obtaining the yarn bulk density when this information is not otherwise available. One of these tables (Table I) gives the standard fiber density for every commercial textile fiber and the equivalent yarn bulk density computed on the assumption of a standard packing coefficient of 0.59. Table I may also be used for any experimental fiber having a fiber density equivalent to that of a given commercial fiber. The second of these tables (Table II) gives the yarn bulk densities of blends of the most important of the commercial fibers. The blends are tabled in 5% increments from 5% to 95% blend composition.

## 2. Theoretical Background and Previous Techniques

The findings of Peirce have been considered basic in the design and development of fabric structures. The equations of Peirce (2) for the plain weave were published in graphical form by Painter (3), and also in nomographic form, by Backer, Adams and Schwarz (4). Finally, Love (5) extended Peirce's equations to weaves other than the plain, and developed a series of graphs to simplify the prediction of construction parameters of maximum weavability fabrics. Weiner and Johnston (1) solved and tabled the Love equations for a range of cover factors from 10 to 32 and over a beta factor range from 0.5 to 2.0.

## 3. Computation and Organization of the Tables

### a. Yarn bulk density table for fibers (Table I)

Ideally it would be desirable to know the exact bulk density of yarns comprising textile fabrics, in order to obtain the maximum design accuracy from the maximum weavability tables in this report. It is difficult, but not impossible to obtain a fair approximation of yarn bulk density. The weight of a given length of yarn may be obtained with considerable precision, as can the length of yarn itself. However, because of the inherent compressibility and "hairiness" of many yarns, it is difficult to obtain a realistic measurement of yarn diameter (or yarn area) which is needed to compute the bulk density. Despite the difficulties, many methods have been used with reasonable success to obtain such measurements, including microscopic, seriplane, thickness gauge and Peirce's roving twist technique.

Most workers (5, 6) conventionally follow Peirce's recommendations for cotton fabrics of .909 gm/cm$^3$ as a standard yarn bulk density for design work.

Since the density of cotton fiber is 1.54, the degree of "packing" can be considered to be the ratio of the yarn bulk density to the fiber density, or:

$$\frac{.909}{1.54} = 0.59$$

This value of 0.59 which is called the <u>packing factor</u> or packing coefficient has been standardized (6) for fibers other than cotton and on this basis may be used to compute the yarn bulk density from the fiber density of any fiber.

Thus: fiber density x packing coefficient = yarn bulk density or

$$De_y = De_f \times PC$$ [Yarn bulk density for different <u>fiber</u> types, for computing Table I] (1)

For nylon ($De_f$ of 1.14), for example, if we assume a packing coefficient of 0.59 we get as the yarn bulk density:

$$1.14 \times .59 = .67$$

The yarn bulk density table was prepared in this manner. Thus, the first step to take in designing a maximum weavable fabric, from say, Acrilan, in the absence of experimental data on yarn bulk density, would be to look up its bulk density in Table I.

b. <u>Yarn bulk density table for blends (Table II)</u>

Table II provides for blends of the most common fibers the same information contained in Table I for single fiber yarns. Blend proportions are from 5% to 95% in 5% increments.

The values in Table II were obtained from the solution of the equation:

$$De_y = \frac{0.59}{\frac{A}{De_{f1}} + \frac{(1-A)}{De_{f2}}}$$ [Yarn bulk density of <u>blends</u> for computing Table II] (2)

Where $De_y$ = the bulk density of the blended yarn

$De_{f1}$ = fiber density of fiber #1

$De_{f2}$ = fiber density of fiber #2

A = percentage of blended fiber #1 expressed as a decimal

A sample calculation for a blend of 25% nylon and 75% cotton would be as follows:

$$De_y = \frac{0.59}{\frac{.25}{1.14} + \frac{(1-.25)}{1.54}} = .84$$

In Table II the fiber density of one of the component fibers is given at the head of the first column with the percentage of that fiber (from 5% to 95%) given below it. The headings of the following seven columns give the fiber densities of the other component fibers, and the values in the body of the table are yarn bulk densities. For the problem solved above by Equation (2) turn to section of Table II showing fiber density of 1.14 (for nylon) in first column: drop down to 25 (the percentage of nylon in blend) in first column, go across this row (25) to value under column headed 1.54 (fiber density of cotton); this will give bulk density of 0.84.

If necessary, linear interpolation may be used for other blend percentages or fiber densities.

c. <u>Maximum weavability table (Table III)</u>

Table III ("Maximum filling cover factor in terms of warp cover factor and Beta factor") shows the maximum filling cover factor ($K_2$) that is theoretically obtainable for a given combination of warp cover factor and beta factor. The filling cover factors for the various yarn bulk densities and weaves were obtained by the solutions of the following equations, the derivation of which is given in the Appendix.

[Equations solved in setting up Table III] (3)

PLAIN WEAVE
$M = 1$

$$\sqrt{1-\left[\frac{29.2\sqrt{De}}{(1+\beta)K_1}\right]^2}+\sqrt{1-\left[\frac{29.2\sqrt{De}\,\beta}{(1+\beta)K_2}\right]^2}=1$$

THREE HARNESS WEAVES
$M = 1.5$

$$\sqrt{1-\left[\frac{M\left(\frac{31.4\sqrt{De}}{K_1}-1\right)+1.08}{1.08(1+\beta)}\right]^2}+\sqrt{1-\left[\frac{\left(M\left(\frac{31.4\sqrt{De}}{K_2}-1\right)+1.08\right)\beta}{1.08(1+\beta)}\right]^2}=1$$

FOUR HARNESS WEAVES
$M = 2.0$

$$\sqrt{1-\left[\frac{M\left(\frac{32.7\sqrt{De}}{K_1}-1\right)+1.12}{1.12(1+\beta)}\right]^2}+\sqrt{1-\left[\frac{\left(M\left[\frac{32.7\sqrt{De}}{K_2}-1\right]+1.12\right)\beta}{1.12(1+\beta)}\right]^2}=1$$

FIVE HARNESS WEAVES
$M = 2.5$

$$\sqrt{1-\left[\frac{M\left(\frac{33.6\sqrt{De}}{K_1}-1\right)+1.15}{1.15(1+\beta)}\right]^2}+\sqrt{1-\left[\frac{\left(M\left[\frac{33.6\sqrt{De}}{K_2}-1\right]+1.15\right)\beta}{1.15(1+\beta)}\right]^2}=1$$

OXFORD WEAVE
$M_1 = 2.0$
$M_2 = 1.0$

$$\sqrt{1-\left[\frac{M_1\left(\frac{32.7\sqrt{De}}{K_1}-1\right)+1.12}{1.12(1+\beta)}\right]^2}+\sqrt{1-\left[\frac{29.2\sqrt{De}\,\beta}{(1+\beta)K_2}\right]^2}=1$$

where $M = \dfrac{\text{Number of yarns per repeat of weave}}{\text{Number of interlacings per repeat of weave}}$

Cover factors* or beta factor may be computed from the following equations:

$$K_1 = \frac{n_1}{\sqrt{N_1}} \qquad \text{[Warp cover factor equation]} \qquad (4)$$

where $K_1$ is warp cover factor
$n_1$ is warp texture or yarns per inch
$N_1$ is warp yarn number or "count"

$$K_2 = \frac{n_2}{\sqrt{N_2}} \qquad \text{[Filling cover factor equation]} \qquad (5)$$

where $K_2$ is filling cover factor
$n_2$ is filling texture or yarns per inch
$N_2$ is filling yarn number or "count"

$$B = \sqrt{\frac{N_1}{N_2}} \qquad \text{[Beta factor equation]} \qquad (6)$$

where B is Beta factor or yarn balance
$N_1$ is warp yarn number
$N_2$ is filling yarn number

*Throughout this report subscript 1 refers to warp and subscript 2 refers to filling.

If yarns are numbered in systems other than the "cotton" system, they should be converted to the cotton system in order to use Table III.

In Table III warp cover factors range from 8 to 62 (depending on yarn density), and beta factors from 0.5 to 2.0. In order to simplify the programming and print-out, non-valid values (because of $K_1$ being too low) are indicated by zeros ("O") in the table. This does not mean that the numerical value of $K_2$ is zero. The zero should be read as a blank space.

For each of the yarn bulk densities, ranging from .54 to 4.6, there is a section for each of the five weave types. The maximum filling cover factor values are given to one decimal place, which is quite adequate precision for textile design work. Interpolation may be used for fractional values of warp cover factor.

4. Use of Tables I and II

Tables I and II merely provide the essential value of yarn bulk density which indicates the correct location in Table III to enter (each page of Table III has yarn bulk density at the top) to obtain the solution appropriate to the fiber type or blend of which the fabric is composed.

5. How to Use Table III

Table III is the one from which the usefulness of this report derives. Table III is presented primarily as the solution of the equation for filling cover factor (see paragraph 3c) when warp cover factor, beta factor and yarn bulk density are known. (It can also be read for a solution when any three elements are given or required, to find the fourth.)

Perhaps the easiest way to visualize the relationship of these four elements of Table III and how they are obtained is by considering this tabulation:

| Element of Table III | Obtainable from | If you have |
|---|---|---|
| Yarn Bulk Density (De) | 1. Actual physical measurement<br>or<br>2. Table I (for single fiber)<br>or<br>3. Table II (for blends) | <br><br>Fiber name or fiber density<br><br>Blend composition |
| Warp Cover Factor ($K_1$) | 1. Equation 4 ($n_1/\sqrt{N_1}$)<br>or<br>2. TSR #128 (Table I)* | W yarn number and W texture |
| Filling Cover Factor ($K_2$) | 1. Equation 5 ($n_2/\sqrt{N_2}$)<br>or<br>2. TSR #128 (Table I)* | F yarn number and F texture |
| Beta Factor (B) | 1. Equation 6 ($\sqrt{N_1/N_2}$)<br>or<br>2. TSR #128 (Table II)* | W yarn number and F yarn number |

Knowledge of any three of the four "elements" listed above will provide the necessary information for obtaining the fourth from Table III. However, in the conventional design of fabrics the yarn bulk density, warp cover factor, and Beta factor are usually known first or computed and the filling cover factor is the unknown factor which is usually sought.

*Textile Series Report No. 128 [reference (1)] provides the solution of the cover factor equations (4) and (5) and the Beta factor equation (6) for a wide range of yarn numbers and textures.

The textile designer normally has access to the information in the far right column above; this enables him to make the preliminary calculations or to check in Tables I and II to obtain the yarn bulk density to enter Table III. Thus, if he is looking for the greatest number of filling yarns of a given size which can be used for a given weave type, he will know:

(1) the fiber density or blend composition which will then give him the yarn bulk density

(2) the warp yarn number and warp texture which will provide the warp cover factor

(3) the filling yarn number, which with the warp yarn number will provide the beta factor

Using the above three items, he can secure from Table III the maximum filling cover factor.

The maximum filling texture can be obtained by solution of the following equation:

$$n_2 = K_2 \sqrt{N_2} \qquad \text{[Maximum filling texture equation]} \qquad (7)$$

where $n_2$ is filling texture, or yarns per inch
$K_2$ is filling cover factor
$N_2$ is filling yarn number

Maximum filling texture can also be obtained from TSR No. 128

In addition to thus obtaining the requirements for maximum weavable constructions, it is possible to find what percentage of maximum weavability any construction is. That is, divide the actual filling cover factor by the theoretical filling cover factor. This percentage may be expressed on the basis of either filling cover factor or filling texture.

Also, given a particular construction, the textile designer can determine its practicality. That is, he can determine from the table whether or not it is weavable, without trial weavings.

Given a particular construction, the fabric designer can, by using Table III, determine whether it can be tightened to any extent.

Finally, given certain filling parameters, such as yarn size and texture, it is possible to project certain combinations of warp sizes and textures.

6. Examples of Use of Tables

Since Tables I and II are incidental to the use of Table III, they will not be discussed separately but as an integral part of the discussion of each problem presented in this section. However, it may be well to provide some general information on the role of yarn bulk density before proceeding with specific examples.

Ideally, it would be desirable to know the exact yarn bulk density of the yarns going into the fabric, by means of microscopic or some other type of objective measurement rather than using the approximations of Tables I and II. Where a given yarn is used in many different constructions it may be advisable to go through the mechanics of measuring the actual yarn density. It is recognized that measuring errors may in some instances be as large as estimating errors because of the difficulty in getting a realistic indication of yarn diameter. However, it is important to be aware of differences if they do exist, in the event that actual loom experience yields results that differ somewhat from the predictions of Table III.

Despite the advantages that may accrue from actual yarn density measurements, the busy designer will probably rely more on Tables I and II to obtain the necessary values for entering Table III; the problems below will be based upon this assumption.

a. Design of fabrics made from one type of fiber only

Problems of this type involve the design of a maximum weavable fabric which is made wholly from one type of fiber, such as Arnel or Orlon.

Given: fiber type, filling yarn number, warp yarn number, texture and weave

To find: number of picks for maximum weavable construction

Problem: What are the maximum number of picks of yarn number 19/1 cotton count Orlon that can be woven into a poplin having 106 ends of 40/2 Orlon.

Solution:

Step 1. Find the yarn bulk density of Orlon in Table I; it is 0.67.

Step 2. Find warp cover factor for the 106 ends of 40/2 yarn. First convert 40/2 to 20/1 (cover factor

Step 2. cont'd.

computation is based upon singles equivalents). Obtain warp cover factor using equation (4) where $K_1 = n_1/\sqrt{N_1}$, substituting: $106/\sqrt{20} = 23.702$. Or look it up on page 94 of TSR No. 128.

Step 3. Find Beta factor for yarns, using equation (6) Beta $= \sqrt{N_1/N_2} = \sqrt{20/19} = 1.026$. Or look it up on page 138 of TSR No. 128.

Step 4. Find maximum filling cover factor. Turn to Table III for plain weave fabrics (poplin is a plain weave) and yarn bulk densities of 0.67. The intersection of "beta factor" (top column) of 1.0 (closest value to 1.026) and row 24 "warp cover factor" (far left) gives "maximum filling cover factor" of 12.1.*

Step 5. Compute maximum filling texture using equation (7): $n_2 = K_2 \sqrt{N_2}$, substituting: $12.1 \sqrt{19} = 53$. Or look it up on page 95 of TSR No. 128.

b. Design of fabrics made from a blend of two fibers

This problem concerns the design of maximum weavable fabrics made from an intimate blend of two fibers such as nylon and cotton or polyester and cotton.

Given: fiber types, blend composition, filling yarn number, warp yarn number, warp texture and weave.

To find: number of picks for maximum weavable construction

*If it is desired to obtain increased precision, interpolation may be used with the fractional beta factor and the fractional cover factor obtained from the computations in Steps 2 and 3, respectively. In this particular problem, the interpolation would be of no value with respect to warp cover factor, since the equivalent filling cover factor is identical for warp cover factors of 23 and 24. Interpolation for the beta value of 1.026 would increase the maximum filling cover factor to 12.23 or 12.2 in three significant figures. Accordingly, it is suggested that interpolation be ignored for first approximations.

**Problem:** How many picks/inch must be used in a fabric having 150 ends of $36^s$ yarn to obtain maximum weavability. Solve for both $36^s$ and $25^s$ filling yarns; and for plain and 3-harness weaves. Assume yarns are blended and contain 25% of nylon and 75% of cotton.

Step 1: Determine density of blended yarn from Table II. Go down column one (headed "fib. den. = 1.14," i.e., fiber density of nylon) to row 25 (% of nylon in yarn). Move across row to value under column headed 1.54 (density of cotton); this gives 0.84. Thus, the yarn density of the blended yarn is .84.

Step 2: Compute cover factor of warp, using Equation (4).

$$K_1 = n_1 / \sqrt{N_1} = 150 / \sqrt{36} = 25$$

Or look it up in TSR No. 128.

Step 3: Compute Beta factor for both yarn combinations, using Equation (6)

$$B = \sqrt{N_1 / N_2} = \sqrt{36 / 36} = 1$$

$$= \sqrt{36 / 25} = 1.2$$

Or look it up in TSR No. 128.

Step 4: Go to section of Table III covering Plain Weaves and yarn bulk density of .84

For Warp cover factor of 25 and Beta of 1, the maximum filling cover factor is 13.5.

For Warp cover factor of 25 and Beta of 1.2, the maximum filling cover factor is 14.7.

Step 5: Go to section of Table III covering <u>3-harness weaves</u> and yarn bulk density of .84.

For Warp cover factor of 25 and Beta of 1, the maximum filling cover factor is 17.0.

For Warp cover factor of 25 and Beta of 1.2, the maximum filling cover factor is 18.2.

Step 6: Compute maximum filling texture (picks per inch) from cover factor, using equation (7), $n_2 = K_2 \sqrt{N_2}$ Or look it up in TSR No. 128.

Values of $n_2$ are given in the following tabulation:

| | Plain Weave | 3-Harness Weave |
|---|---|---|
| $36^s$ | $n_2 = 13.5\sqrt{36}$<br>$= 81$ | $n_2 = 17.0\sqrt{36}$<br>$= 102$ |
| $25^s$ | $n_2 = 14.7\sqrt{25}$<br>$= 74$ | $n_2 = 18.2\sqrt{25}$<br>$= 91$ |

Thus, for the plain weave, as we go to the coarser filling yarn ($36^s$ to $25^s$) there are fewer picks that can be woven into the fabric for maximum weavability (81 vs. 74). The same holds true for the 3-harness weave. We can weave 102 picks of the $36^s$ yarn, but only 91 of the $25^s$ yarn.

However, in going from the plain weave to the 3-harness weave it takes more picks to fill the weave. Thus for the $36^s$ yarn we must increase the number of picks from 81 to 102; and for the $25^s$ yarn we must increase the number of picks from 74 to 91.

c. To determine percentage of maximum weavability

Problem:

(1) A Type III wind-resistant all-cotton oxford has a specified texture of 136 by 46. If a 40/2 warp yarn is available, what percent of maximum weavability will be obtained if we use a 12/1 filling?

(2) If we use the same "size" warp and filling yarns, but made of a blend of 50% Dacron and 50% cotton, what will be the percent of maximum weavability?

(1) Solution

For all-cotton fabric:

First convert 40/2 to 20/1

Step 1: Find yarn bulk density of cotton in Table 1 as .91.

Step 2: Find warp cover factor by using equation (4) or from TSR No. 128; it is 30.4.

Step 3: Find filling cover factor by using equation (5) or from TSR No. 128; it is 13.3.

Step 4: Compute Beta factor, using equation (6) or obtain from TSR No. 128; it is 1.3.

Step 5: Find maximum possible filling cover factor in Table III for oxford weaves and yarn bulk densities of .91. This value is 15.9.

Step 6: To obtain percent maximum weavability:

Divide actual filling cover factor (13.3) by computed maximum filling cover factor (15.9) to obtain 83.6 as percent of maximum weavability.

(2) Solution

For Dacron-cotton blend:

Step 1: Find yarn bulk density of a 50% Dacron - 50% cotton blend from Table II as .86.

Step 2: Find warp cover factor of 30.4 as above.

Step 3: Find filling cover factor of 13.3 as above.

Step 4: Find Beta factor of 1.3 as above.

Step 5: Find maximum possible filling cover factor in Table III for oxford weaves and yarn bulk densities of .86. This value is 15.4.

Step 6: To obtain percent maximum weavability:

Divide actual filling cover factor (13.3) by computed maximum filling cover factor (15.4) to obtain 86.4 as percent of maximum weavability.

Thus, even though the cotton yarns and the Dacron/cotton blended yarns used in this example were both the same "size" in terms of yarn number (which is a measure of linear density), actually the blended yarn has a larger diameter because of the lower density of the Dacron constitutent. Thus, keeping yarn numbers and textures constant, the blended yarns will produce a fabric with a higher percentage of maximum weavability.

d. To determine weavability or practicality of a given loom construction

Problem: Is a sateen fabric weavable if it has 129 ends of 31/1 polypropylene yarn in the warp and 94 picks of 14/1 polypropylene yarn in the filling?

Solution:

Step 1: Find warp and filling cover factors: 23.2 and 25.1 respectively.

Step 2: Find Beta factor: 1.5.

Step 3: Find Maximum Filling Cover factor in section of Table III for 5-harness weaves and for polypropylene yarn bulk density of .54. This is 19.0.

Since the cover factor desired (25) is larger than the theoretical maximum (19), this fabric would not be weavable. It is interesting to note that a fabric with the same construction characteristics as this could be woven from cotton yarns. Thus, it is erroneous to anticipate that the fiber composition of a fabric can always be changed without also changing the texture and/or the yarn sizes.

7. Basic Assumptions and Limitations of the Tables

Three assumptions were made in developing the equations that led to the formulation of these tables:

a. The yarn compression in a fabric woven to maximum tightness produces a change in the shape of the yarn section but does not alter the fiber packing density.

b. Complete flattening takes place in that half of the yarn that is in contact with a neighboring yarn under a single float (see Appendix).

c. The packing coefficient of yarns made from all fibers and blends is 0.59.

If yarns are numbered in systems other than the "cotton" system, they should be converted to the cotton system in order to use these tables.

For all practical purposes, these assumptions produce only minimal errors and thus the tables are suitable for first-order approximations in fabric design. For designers who work with a few types of fibers or blends it might be useful to check the yarn bulk densities of the yarns they work with, since twist and other factors may alter the yarn bulk density values given in Tables I and II. If actual yarn bulk density values are available, then the only important limitations on the validity of these tables and the equations from which they were derived are the first two assumptions (a and b) listed above.

## 8. <u>References</u>


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# APPENDIX*

## DERIVATION OF THE GENERAL MAXIMUM WEAVABILITY EQUATIONS FOR THE PLAIN, TWILL AND SATEEN WEAVES FOR YARNS OF VARYING BULK DENSITIES

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## DERIVATION OF THE GENERAL MAXIMUM WEAVABILITY EQUATIONS FOR THE PLAIN, TWILL AND SATEEN WEAVES FOR YARNS OF VARYING BULK DENSITIES

### INTRODUCTION

The steps leading to the derivation of the general maximum weavability equations are presented in five sections of this report titled as follows:

I Derivation of $K_o$ (procedure of Ball[1]).

II Derivation of the maximum weavability equation for the plain weave (procedure of Peirce[2]).

III Derivation of the equations for local spacing in twills and sateens.

IV Derivation of $K_a$ (max) and maximum weavability equations for other weave types (procedure of Love[3]).

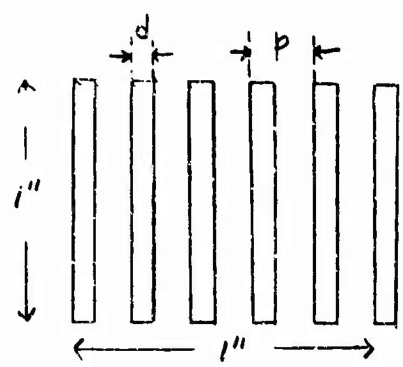
V Derivation of the generalized maximum weavability equations for all fiber species and blends.

### I. DERIVATION OF $K_o$

It is customary for textile designers to express the "cover" of a woven textile fabric by means of a computed "cover factor" which is designated by the letter "K". K is derived from fractional coverage as follows:

Fractional coverage $(\frac{d}{p})$:

The cover of a fabric can be expressed as "fractional coverage" which is the ratio of the area "covered" by yarns to the total area of the fabric. For a given fabric direction (warp or filling), fractional coverage may be visualized as the projected area divided by the total area as shown below:




d = diameter of each yarn in inches.

p = inches/yarn (this is called the "spacing" and includes a "space" and a "yarn diameter")

n = yarns/inch

For 1 in$^2$ of fabric, the fractional coverage of either the warp or filling is:

$$\text{fractional coverage} = \frac{\text{yarns/inch} \times d'' \times 1''}{1 \text{ in}^2} = \frac{nd \times 1}{1}$$

numerically fractional coverage = yarns/inch x d" = nd

$$\text{yarns/inch} = \frac{1}{\text{inches/yarn}} \quad \text{or } n = \frac{1}{p} \qquad (1)$$

$$\text{therefore } nd = \frac{d}{p} \qquad (2)$$

The conventional expression for fractional coverage is $\frac{d}{p}$ which is dimensionless. (3)

Because of the difficulties encountered in measuring the diameter of yarns it has become customary for textile technologists to use yarn number (N)*, which is easily calculable, in expressions where yarn diameter (d) is normally required.

* N = number of 840 yard hanks per pound or $N = \frac{l}{840w}$ where l is yds. and w is lbs.

Cover factor (K):

Yarn diameter (d) varies as the reciprocal of the square root of yarn number (N) for the indirect system (which is the system used almost exclusively in this country for staple yarns).

Thus $$d \propto \frac{1}{\sqrt{N}} \qquad (4)$$

therefore $$\frac{d}{p} \propto \frac{\frac{1}{\sqrt{N}}}{p} \qquad (5)$$

From Equation (1)

$$p = \frac{1}{n} \qquad \text{where } n = \text{yarns/inch}$$

therefore $$\text{fractional coverage} = (\text{constant}) \frac{n}{\sqrt{N}} \qquad (6)$$

and $$\frac{\text{fractional coverage}}{(\text{constant})} = \frac{n}{\sqrt{N}} \qquad (7)$$

The ratio on the left above is designated as cover factor or K, and thus:

$$K = \frac{n}{\sqrt{N}} \qquad (8)$$

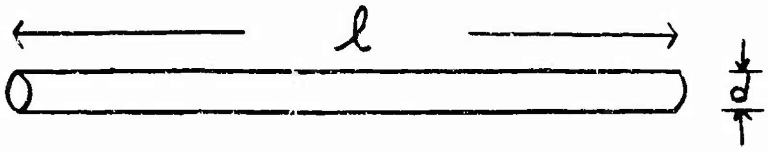
The maximum value of K (designated as $K_o$) is obtained when d/p = 1, in other words when the projected area of the yarns in the fabric equals the total area. However, as will be seen later in the derivation of the equations for maximum weavability, when compression of the yarns under the float takes place in tightly woven structures, it is possible to get values of K exceeding $K_o$. The development of the maximum weavability equations is based on values of K which exceed $K_o$. The larger value is designated as $K_a$ (max). At this stage of our development, however, $K_o$ can be considered to be the maximum practical cover factor and much valuable design and development work is done utilizing $K_o$ as a threshold value against which a computed K may be compared.

Yarn diameter (d):

The value of $K_o$ will vary depending upon the specific volume or density of the yarns for which it is used. Therefore, it is necessary to derive the relationship between diameter (d) and yarn Number (N) as a basis of computing a range of $K_o$ values. An assumption which has been made in working with this relationship is that cotton yarns have a specific volume of 1.1. If this assumption is accepted, then values of $K_o$ for a wide variety of fiber types and blends may be computed, if the packing factor or packing coefficient for yarns made from these fibers is considered as identical to that of cotton yarn. More will be said about this later.

The relationship between diameter and yarn number may be deduced as follows:

Consider a textile yarn as an incompressible cylinder of length "$\ell$" and diameter "d"




The volume of this cylinder $= \dfrac{\pi d^2 \ell}{4}$ (9)

The weight of the cylinder $= \dfrac{\pi d^2 \ell De}{4}$ Where De is density of yarn (10)

In the metric system the weight in grams of the yarn would be

$$W = \frac{\pi d^2 \ell De}{4} \qquad \ell \text{ in cm}, \; De \text{ in gm/cm}^3 \qquad (11)$$

Keeping De in the metric system, which is conventional, but converting W, $\ell$, and d to pounds, yards and inches respectively, which are conventional for textile yarns, the following results:

$gm = \dfrac{\pi\, cm^2 \; cm \; De}{4}$ lbs x 454.6 = gms

in$^2$ x 2.54$^2$ = cm$^2$

$gm = .785 \; cm^2 \; cm \; De$ yds x 36 x 2.54 = cm

$$\text{lbs} \times 454.6 = .785 \text{ in}^2 \times 2.54^2 \times \text{yds} \times 36 \times 2.54 \text{ De} \tag{12}$$

$$W \text{ (lb)} = \frac{.785 \times 2.54^3 \times 36 \times d^2 \, \ell \, De}{454.6} \qquad \begin{aligned} d^2 &= in^2 \\ \ell &= yds \\ De &= gm/cm^3 \end{aligned} \tag{13}$$

$$W = 1.0189 \, d^2 \, \ell \, De \tag{14}$$

$$d^2 = \frac{W}{1.0189 \, \ell \, De} \tag{15}$$

$$d = \sqrt{\frac{W}{1.0189 \, \ell \, De}} \tag{16}$$

Divide top and bottom of fraction by W

$$d = \sqrt{\frac{1}{1.0189 \, \ell/W \, De}} \tag{17}$$

By definition, in the cotton numbering system where $\ell$ is in yds. and W in pounds and N = Yarn Number

$$\ell/W = 840 \, N \tag{18}$$

$$d = \sqrt{\frac{1}{840 \times 1.0189 \quad N \, De}} \tag{19}$$

$$d = \sqrt{\frac{.0011684}{N \, De}} \tag{20}$$

$$d = \frac{.0342}{\sqrt{N \, De}} \tag{21}$$

Relationship between K and d/p:

If we find the general relationship between K and d/p, then $K_o$ can be determined as the value of K when d/p = 1, in other words, when the fractional coverage is unity or the projected area of the yarns equals the total fabric area.

Recall from equation (8) that: $$K = \frac{n}{\sqrt{N}}$$

and from equation (1) that: $$n = \frac{1}{p}$$

therefore $$K = \frac{1}{p\sqrt{N}} \qquad (22)$$

and $$p = \frac{1}{K\sqrt{N}} \qquad (23)$$

From equation (21) $$d = \frac{.0342}{\sqrt{N\ De}}$$

therefore $$\frac{d}{p} = \frac{\dfrac{.0342}{\sqrt{N\ De}}}{\dfrac{1}{K\sqrt{N}}} \qquad (24)$$

thus $$\frac{d}{p} = \frac{.0342\ K}{\sqrt{De}} \qquad (25)$$

Calculation of $K_o$:

By definition when d/p = 1 $$K = K_o \quad \text{or} \quad \frac{d/p}{1} = \frac{K}{K_o} \qquad (26)$$

$$\therefore \quad 1 = \frac{.0342\ K_o}{\sqrt{De}} \qquad (27)$$

$$K_o = \frac{\sqrt{De}}{.0342} \quad \text{or} \quad K_o = 29.2\ \sqrt{De} \qquad (28)$$

Thus for any yarn, regardless of fiber composition or structure, if we know the yarn density (bulk density) we can compute $K_o$, i.e., the "maximum" cover factor corresponding to $d/p = 1$. The problem of determining yarn density is a difficult one and much fabric design as practiced today for cotton fabrics is based upon Peirce's selection of .909 as the bulk density of cotton yarn (.909 is the reciprocal of the specific volume value of 1.1).

For cotton then: $$K_o = 29.2 \sqrt{.909} = 27.8 \qquad (29)$$

Some workers round this figure off to 28.0

Packing factor:

It is convenient to relate the density of cotton yarn to the density of cotton fiber. This relationship, expressed as a ratio, is termed the packing coefficient or packing factor.

$$PC = \frac{De\ (yarn)}{De\ (fiber)} \qquad (30)$$

For cotton: $$PC = \frac{.909}{1.54} = .59 \qquad (31)$$

It has become conventional for designers working with fibers other than cotton to assume that the packing factor of yarns made from these other fibers is constant at .59. With this assumption it becomes simple to compute the densities of yarns, made from a wide variety of fibers, using equation (30).

$$De(yarn) = PC \times De(fiber) \qquad (32)$$

$$= .59 \times De(fiber) \qquad (33)$$

Substituting this relationship in equation (28), the following is obtained:

$$K_o = 29.2 \sqrt{De\ (yarn)} \qquad (34)$$

$$K_o = 29.2 \sqrt{PC \times De\ (fiber)} \qquad (35)$$

$$K_o = 29.2 \sqrt{.59 De\ (fiber)} \qquad (36)$$

$$K_o = 22.4 \sqrt{De\ (fiber)} \qquad (37)$$

$K_o$ values for some typical fiber species are given in the following table:

| Fiber | Density of fiber | $\sqrt{De\ (fiber)}$ | $K_o$ |
|---|---|---|---|
| Nylon | 1.14 | 1.067 | 24.0 |
| Wool | 1.32 | 1.149 | 25.8 |
| Dacron | 1.37 | 1.170 | 26.3 |
| Cotton | 1.54 | 1.241 | 27.8 |
| Glass | 2.54 | 1.594 | 35.8 |

## II DERIVATION OF THE MAXIMUM WEAVABILITY EQUATION FOR THE PLAIN WEAVE

In order to reduce the number of variables required in the solution of the geometry of the plain weave, Peirce introduced the parameter "D" which is the sum of the diameters of the warp and filling yarns.

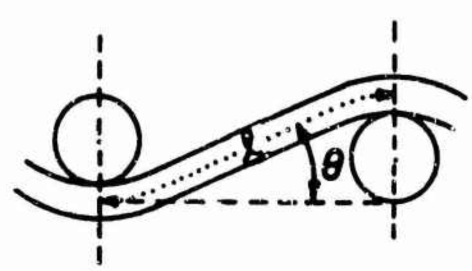
Thus $D = d_1 + d_2$ where (38)

subscripts 1 and 2 apply to warp and filling respectively. Other symbols used by Peirce are:

$h$ = maximum displacement of yarn axis measured normal to the cloth as follows:


$\ell$ = length of yarn in a unit cell

thus:

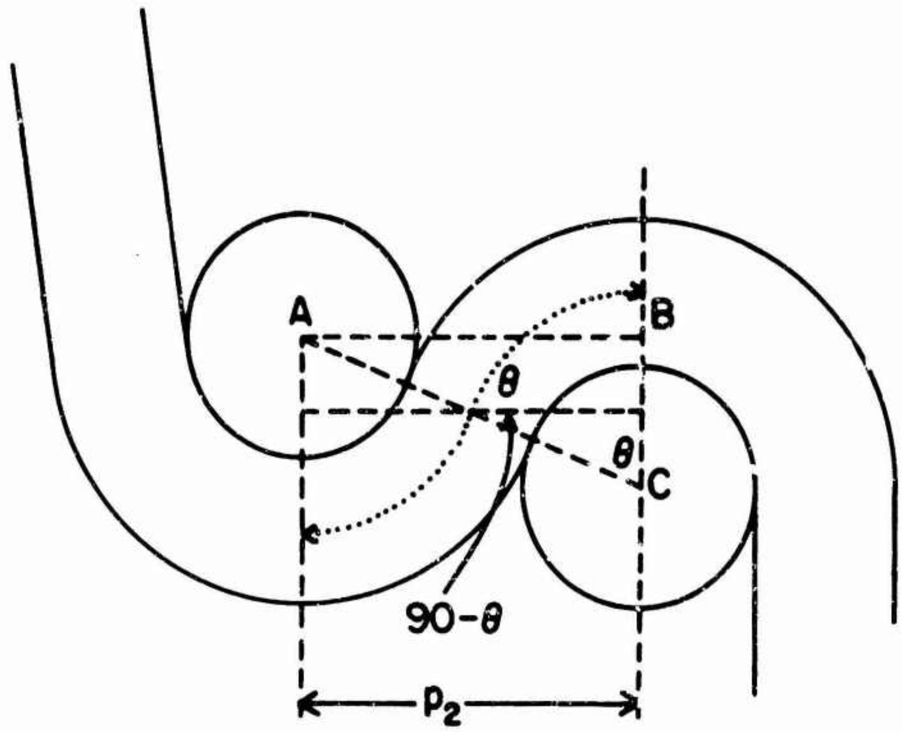



$\theta$ = angle between yarn axis and plane of cloth

p, n, and d are as used previously in this report

In tight fabric constructions the yarn systems are considered to be jammed. When the warp yarn is jammed, for example, there is no straight portion in the warp yarn and a line joining the centers of the filling yarns is perpendicular to the warp yarn axis at the point of intersection. When this condition prevails, as shown below, both the filling yarn spacing $p_2$ and the filling yarn displacement $h_2$ are functions of the angle ($\theta$) between the warp yarn axis and the plane of the cloth.*

* No yarn compression is assumed in these preliminary derivations.




Construction for Filling Yarn Spacing

$p_2$ is the spacing of the filling yarns and thus is equal to the distance between the vertical lines above: AB

D is the sum of the diameters of the warp and filling yarns which is the length of the diagonal line above: AC

From the geometry of the triangle ABC:

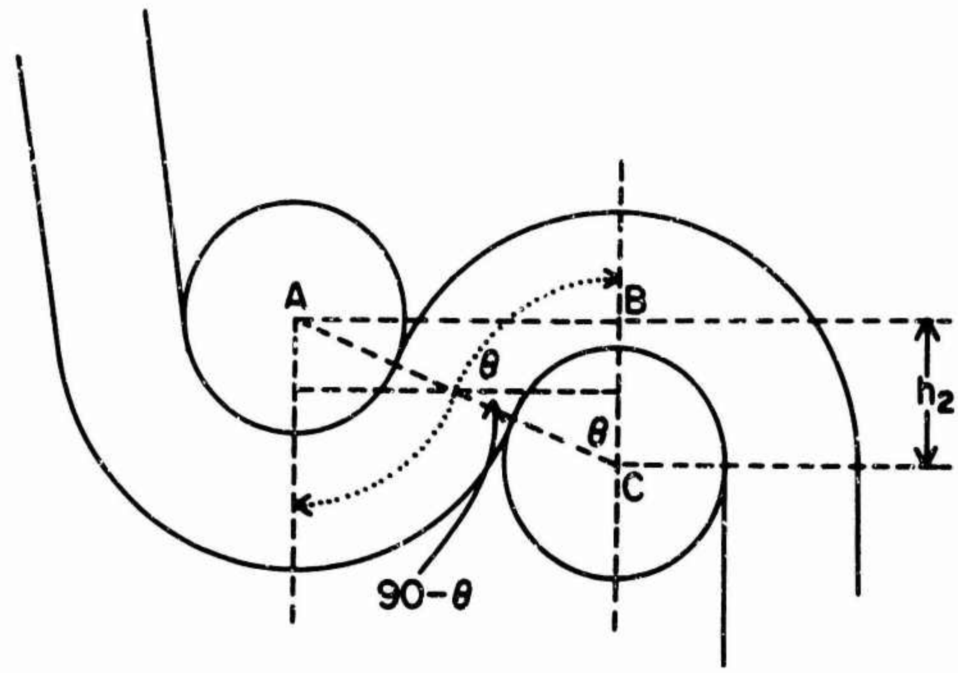
$$\sin\theta = \frac{AB}{AC} = \frac{p_2}{D} \qquad (39)$$

$$\text{and } p_2 = D \sin\theta \qquad (40)$$

For filling yarn displacement:

$h_2$ is the displacement of the filling yarns, which is the distance BC below.

D is the sum of the diameters: AC below.




Construction for Filling Yarn Displacement

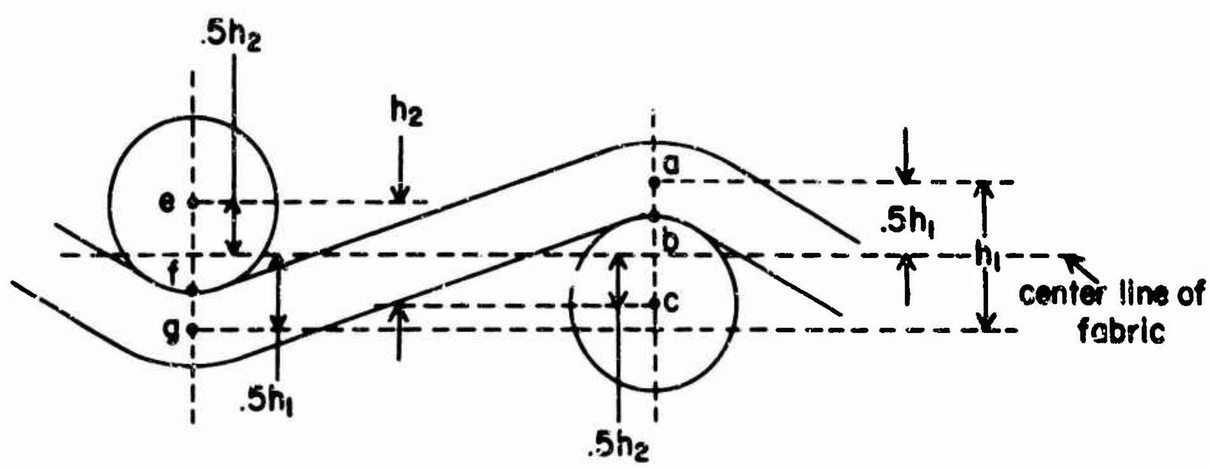
From the geometry of the triangle ABC:

$$\cos\ \theta = \frac{BC}{AC} = \frac{h2}{D} \qquad (41)$$

$$\text{and } h_2 = D\cos\theta \qquad (42)$$

It can also be shown that for any yarn configuration

$$h_1 + h_2 = D \qquad (43)$$




$$.5h_1 + .5h_2 = ef + fg \qquad .5h_1 + .5h_2 = ab + bc$$

$$h_1 + h_2 = ab + bc + ef + fg$$

$ab = r_1$ (radius of warp yarn)

$bc = r_2$ (radius of filling yarn)

$ef = r_2$

$fg = r_1$

$$h_1 + h_2 = r_1 + r_2 + r_1 + r_2$$

$$h_1 + h_2 = 2(r_1 + r_2) = d_1 + d_2 = D$$

therefore $h_1 + h_2 = D$

Summarizing: When the warp is jammed, then from equation (42)

$$h_2 = D \cos \theta_1$$

When the filling yarn is jammed it can be shown in an analogous fashion that:

$$h_1 = D \cos \theta_2 \quad (44)$$

Since $h_1 + h_2 = D$ (45)

then $D \cos \theta_1 + D \cos \theta_2 = D$ (46)

and $\cos \theta_1 + \cos \theta_2 = 1$ (47)

Since $\cos^2 \theta + \sin^2 \theta = 1$ (48)

$$\cos \theta_1 = \sqrt{1 - \sin^2 \theta_1} \quad (49)$$

and $\cos \theta_2 = \sqrt{1 - \sin^2 \theta_2}$ (50)

Therefore $\sqrt{1 - \sin^2\theta_1} + \sqrt{1 - \sin^2\theta_2} = 1$ (51)

Recall from equation (40) that $p_2 = D \sin\theta_1$ (52)

then $\sin\theta_1 = \frac{p_2}{D}$

analogously $p_1 = D \sin\theta_2$ and $\sin\theta_2 = \frac{p_1}{D}$ (53)

Therefore $\sqrt{1 - \left(\frac{p_2}{D}\right)^2} + \sqrt{1 - \left(\frac{p_1}{D}\right)^2} = 1$ (54)

Equation (54) is the basis of the widely used equations for maximum weavable fabrics. To make it more generally applicable to the design problems of the textile engineer, it has been customary to introduce the cover factor (K) into the relationship and also to use the Beta (B) factor instead of D.

Beta (B) is defined as the ratio of the filling yarn diameter to the warp yarn diameter. It is also numerically equal to the ratio of the square root of the warp yarn number to the square root of the filling yarn number, for the indirect yarn numbering system.

Thus

$B = \frac{d_2}{d_1}$ and $d_2 = B d_1$ (55)

or $B = \sqrt{\frac{N_1}{N_2}}$ (56)

Since $D = d_1 + d_2$ it follows from (55) that

$D = d_1 + B d_1$ and $D = d_1 (1 + B)$ (57)

also $D = \frac{d_2}{B} + d_2 \qquad D = \frac{d_2 (1 + B)}{B}$ (58)

Therefore $\frac{p_1}{D} = \frac{p_1}{d_1 (1 + B)}$ (59)

$$\frac{p_2}{D} = \frac{p_2 \ B}{d_2 (1 + B)} \qquad (60)$$

Recall from (26) that $\frac{d}{p} = \frac{K}{K_o}$ (61)

Also from (29) for yarns numbered in the cotton system and having a bulk density of .909 (the value selected by Peirce):

$$K_o = 27.8 \qquad (62)$$

Then $\frac{d}{p} = \frac{K}{27.8}$ or $\frac{p}{d} = \frac{27.8}{K}$ (63)

Thus from (57) $\frac{p_1}{D} = \frac{27.8}{K_1 (1 + B)}$ (64)

and from (58) $\frac{p_2}{D} = \frac{27.8B}{K_2 (1 + B)}$ (65)

Therefore: $\sqrt{1 - \left(\frac{27.8}{K_1 (1 + B)}\right)^2} + \sqrt{1 - \left(\frac{27.8B}{K_2 (1 + B)}\right)^2} = 1$ (66)

This is the equation for the plain weave, from which the supplementary equations for the twill and sateen weaves have been derived. Before going into the derivation of these other equations it might be well to briefly review the manner in which the above equation is used. Observe that there are variables $K_1$, $K_2$, and B. These three are not completely independent. The warp yarn number $N_1$ is a component of $K_1$, the filling yarn number $N_2$ is a component of $K_2$ and the ratio of these two yarn numbers determines B. For a given B and $K_1$ however, it is possible to obtain the corresponding $K_2$ required to make the fabric a maximum weavable construction and conversely for a given B and $K_2$ it is possible to obtain the corresponding $K_1$ required to make a maximum weavable construction. In Textile Series Report No. 128[4] this equation was solved for a wide range of cover factors (K) and Beta factors (B). For example, on page 149 of report No. 128 it may be observed that for a fabric having a warp cover factor ($K_1$) of 20 and a Beta factor (B) of 1.4, the maximum possible filling cover factor ($K_2$) is 16.6.

From the practical point of view, the textile designer would tentatively select a warp texture (n) and a warp yarn number (N) to obtain the warp cover factor. Then for a given filling yarn number, which would provide the Beta (B), he would obtain the maximum possible filling cover factor and finally for the given filling yarn number he would find in the tables in Report No. 128[4] the maximum number of filling yarns (n) which could be woven into the given structure. Depending upon which constructional factors are known, a spectrum of the unknowns in the design of the plain weave fabric can thus be obtained.

## III DERIVATION OF THE EQUATIONS FOR LOCAL SPACING IN TWILLS AND SATEENS

Peirce did not extend his geometry of jammed plain weave fabrics to other weave types. This was done by Love[3] in 1955. Two additional assumptions must be made regarding the geometry of the yarns in long float weaves, such as the twills and the sateens, before a model can be formulated for analysis. The first assumption is that the yarns under a long float move toward each other under the stress of weaving until they touch. The second assumption goes beyond the touch stage and postulates that complete flattening takes place in that half of the yarn which contacts a neighboring yarn under the float, i.e., that the original semicircle of the yarn half section becomes a rectangle after compression; and that this compression does not alter the fiber packing density (packing factor). Actual observation of yarns in many tight constructions confirms the fact that these assumptions have a valid basis.

In this section of the report two equations are derived which provide solutions for local spacing (p) in terms of weave factor (M), average spacing ($p_a$) and either original average yarn diameter ($d_{oa}$) which pertains to the situation where the yarns move toward and touch each other but are not compressed (designated as Aspect I) or (M), ($p_a$), ($d_{oa}$) and compressed average yarn diameter ($d_{ca}$) which pertains to the situation where compression of the yarns takes place in that half of the yarn which contacts a neighboring yarn under the float (designated as Aspect II).

The following terms are defined:

$M$ = weave factor = $\frac{\text{Number of yarns per repeat of weave}}{\text{Number of interlacings per repeat of weave}}$

$p$ = local spacing = distance between yarn centers of warp or filling at interlacings.

$p_a$ = average spacing = numerical average of "local spacings" and spacing at points of no interlacing.

$d_{oa}$ = original average lateral diameter = the numerical average of the yarn diameters assuming no compression has taken place (Aspect (I)).

$d_o$ = original lateral diameter = same value as $d_{oa}$ for an individual yarn.

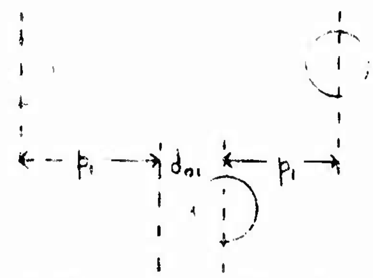
$d_{ca}$ = compressed average lateral diameter = the numerical average of the compressed and uncompressed lateral diameters of the yarns (Aspect (II)).

$d_c$ = compressed lateral diameter = lateral diameter of compressed yarn only.

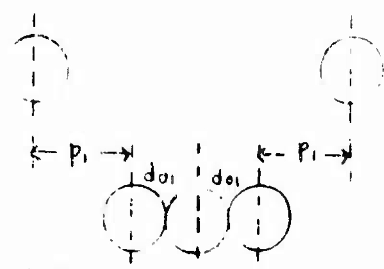
1 = subscript 1 as in $p_1$, $p_{a1}$, $d_{oa1}$, etc. --- indicates warp yarn.

Aspect I

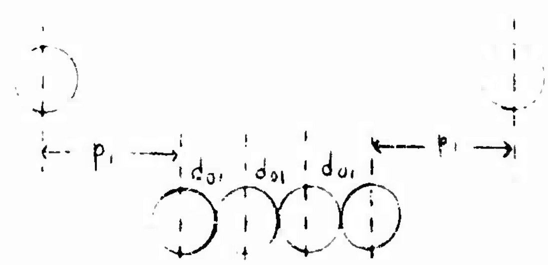
First examine the situation of Aspect I where the yarns under the floats are assumed to be in contact but not compressed. This can be illustrated diagramatically for a 3, 4, and 5-harness weave as follows:




3 Harness M = 1.5




4 Harness M = 2.0




5 Harness M = 2.5

Warp Yarn Arrangement in Twill Weaves (No Compression)

As shown above, $p_1$ is the local spacing, which is defined as the distance between centers of the warp yarns (for this case) at the interlacing. And $d_{o1}$ is the uncompressed diameter of the warp yarn. In these illustrations $d_{o1}$ also represents the spacing at points of no interlacing under the floats.

Now the average warp spacing ($p_{a1}$) for each of the three weaves is:

3-harness - $p_{a1} = \dfrac{2p_1 + d_{o1}}{3}$

4-harness - $p_{a1} = \dfrac{2p_1 + 2d_{o1}}{4}$

5-harness - $p_{a1} = \dfrac{2p_1 + 3d_{o1}}{5}$

Solving each of the above for $p_1$ we obtain:

3-harness: $3p_{a1} = 2p_1 + d_{o1}$ $\qquad p_1 = 3/2\ p_{a1} - 1/2\ d_{o1}$

4-harness: $4p_{a1} = 2p_1 + 2d_{o1}$ $\qquad p_1 = 4/2\ p_{a1} - 2/2\ d_{o1}$

5-harness: $5p_{a1} = 2p_1 + 3d_{o1}$ $\qquad p_1 = 5/2\ p_{a1} - 3/2\ d_{o1}$

Note that for all of these simple weaves the number of interlacings is two and the number of yarns per repeat is equal to the number of harnesses of the weave. Thus, the weave factor is numerically equal to half the number of harnesses. In the above equations the coefficient of $p_{a1}$ is always equal to the number of harnesses divided by the number of interlacings---which is the weave factor "M". Likewise, the coefficient of $d_{o1}$ is equal to the weave factor less one or "M-1".

Thus for uncompressed yarns:

$p_1 = Mp_{a1} - (M-1)\ d_{o1}$

Since for uncompressed yarns $d_{o1} = d_{oa1}$

then

$$p_1 = Mp_{a1} - (M-1)\ d_{oa1} \qquad \textbf{Aspect (I)} \qquad (67)$$

Aspect II

Now examine **Aspect (II)** in which compression takes place in the warp

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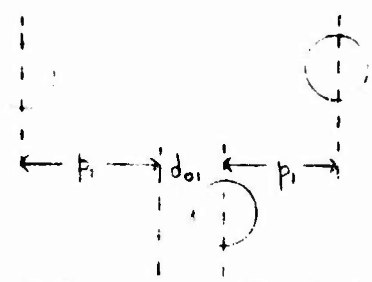
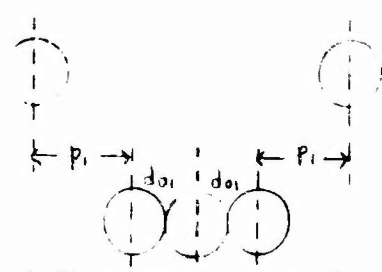
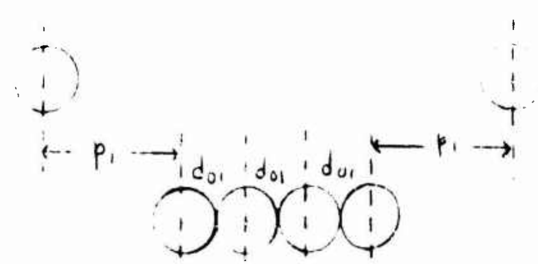
First examine the situation of Aspect I where the yarns under the floats are assumed to be in contact but not compressed. This can be illustrated diagramatically for a 3, 4, and 5-harness weave as follows:




3 Harness M = 1.5




4 Harness M = 2.0

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$$\text{3-harness} - p_{a1} = \frac{2p_1 + d_{o1}}{3}$$

$$\text{4-harness} - p_{a1} = \frac{2p_1 + 2d_{o1}}{4}$$

$$\text{5-harness} - p_{a1} = \frac{2p_1 + 3d_{o1}}{5}$$

Solving each of the above for $p_1$ we obtain:

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Note that for all of these simple weaves the number of interlacings is two and the number of yarns per repeat is equal to the number of harnesses of the weave. Thus, the weave factor is numerically equal to half the number of harnesses. In the above equations the coefficient of $p_{a1}$ is always equal to the number of harnesses divided by the number of interlacings---which is the weave factor "M". Likewise, the coefficient of $d_{o1}$ is equal to the weave factor less one or "M-1".

Thus for uncompressed yarns:

$$p_1 = Mp_{a1} - (M-1)\ d_{o1}$$

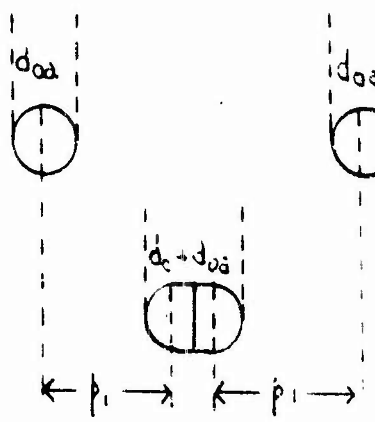
Since for uncompressed yarns $d_{o1} = d_{oa1}$

then

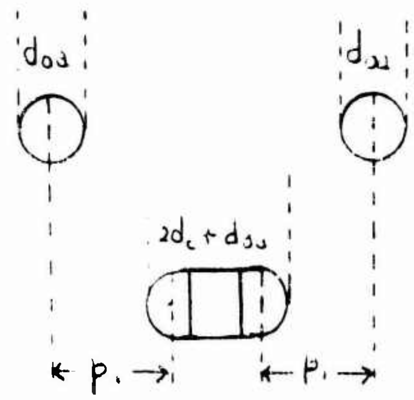
$$\underline{\underline{p_1 = Mp_{a1} - (M-1)\ d_{oa1}}} \qquad \textbf{Aspect (I)} \qquad (67)$$

<u>Aspect II</u>

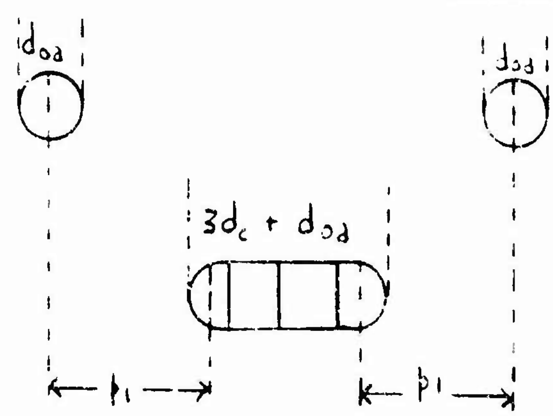
Now **examine Aspect (II)** in which compression takes place in the warp yarns under the float. Recall that compression occurs in that half of the yarn which contacts a neighboring yarn under the float. For the three weaves this may be represented as follows:




3-Harness




4-Harness




5-Harness

## Warp Yarn Arrangement in Twill Weaves (Compressed Situation)

The average compressed and average yarn diameter ($d_{cal}$) and the compressed yarn diameter ($d_{cl}$) for the three weaves is then:

3-harness: $d_{cal} = \frac{2d_{oal} + d_{cl}}{3}$ $\quad 3d_{cal} = 2d_{oal} + d_{cl}$

$d_{cl} = 3d_{cal} - 2d_{oal}$

4-harness: $d_{cal} = \frac{2d_{oal} + 2d_{cl}}{4}$ $\quad 4d_{cal} = 2d_{oal} + 2d_{cl}$

$d_{cl} = \frac{4d_{cal} - 2d_{oal}}{2}$

5-harness: $d_{cal} = \frac{2d_{oal} + 3d_{cl}}{5}$ $\quad 5d_{cal} = 2d_{oal} + 3d_{cl}$

$d_{cl} = \frac{5d_{cal} - 2d_{oal}}{3}$

The average spacing ($p_{al}$) for each of the three weaves is:

3-harness: $$p_{al} = \frac{2p_1 + d_{c1}}{3} = \frac{2p_1 + 3d_{cal} - 2d_{oal}}{3}$$

4-harness: $$p_{al} = \frac{2p_1 + 2d_{c1}}{4} = \frac{2p_1 + 2\left(\frac{4d_{cal} - 2d_{oal}}{2}\right)}{4}$$

5-harness: $$p_{al} = \frac{2p_1 + 3d_{c1}}{5} = \frac{2p_1 + 3\left(\frac{5d_{cal} - 2d_{oal}}{3}\right)}{5}$$

Solving each of the above for $p_1$ we obtain:

3-harness: $3p_{al} = 2p_1 + 3d_{cal} - 2d_{oal}$ $\qquad p_1 = 3/2\ p_{al} - 3/2\ d_{cal} + d_{oal}$

$= 3/2\ (p_{al} - d_{cal}) + d_{oal}$

4-harness: $4p_{al} = 2p_1 + 4d_{cal} - 2d_{oal}$ $\qquad p_1 = 4/2\ p_{al} - 4/2\ d_{cal} + d_{oal}$

$= 4/2\ (p_{al} - d_{cal}) + d_{oal}$

5-harness: $5p_{al} = 2p_1 + 5d_{cal} - 2d_{oal}$ $\qquad p_1 = 5/2\ p_{al} - 5/2\ d_{cal} + d_{oal}$

$= 5/2\ (p_{al} - d_{cal}) + d_{oal}$

Here, the coefficient of $(p_{al} - d_{cal}) = M$ for each of the weaves.

Thus for compressed yarns:

$$p_1 = M(p_{al} - d_{cal}) + d_{oal} \qquad \text{Aspect (II)} \qquad (68)$$

## IV DERIVATION OF $K_a$ (max) AND MAXIMUM WEAVABILITY EQUATIONS FOR OTHER WEAVE TYPES

Equation (68) provides a means of determining the local spacing ($\eta$) in the warp and filling directions for twill and sateen fabrics in which the assumed movement and compression of the yarns under the float takes place. This provides the numerator of the ratio p/D which is the essential expression in the formulation of the equation for maximum weavability. Now we must find the appropriate value of D (sum of diameters of warp and filling yarns) which will take into consideration the assumed yarn movement and compression. It is understood that compression takes place only in the plane of the fabric and that accordingly the vertical dimension of the yarn (that direction perpendicular to the plane of the fabric) does not change during compression. In addition, fiber packing density does not change.

We can now visualize the dimensional arrangement of the yarns in situations where there are 2, 3, and 4 yarns under the float, representing 3, 4, and 5-harness weaves and can compute the average compressed diameter ($d_{ca}$) of the yarns.

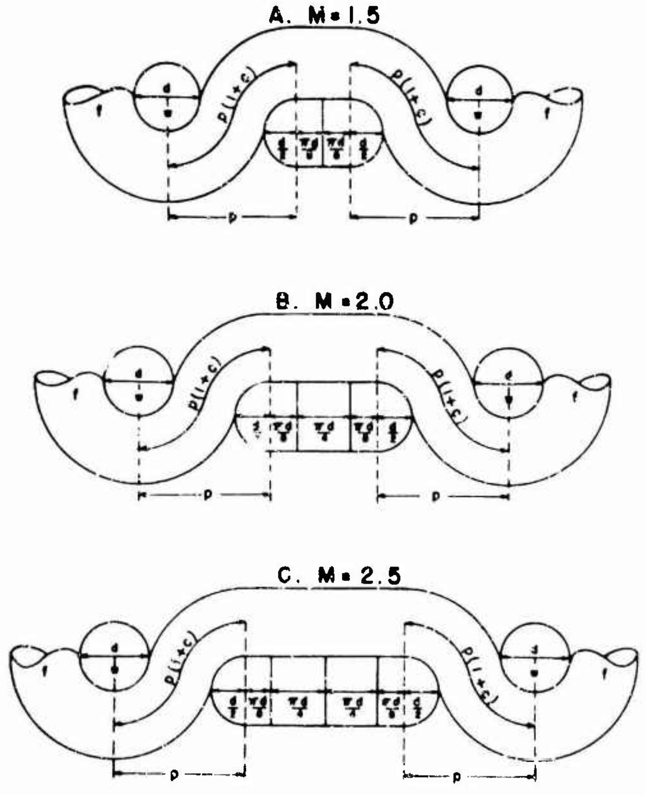



DIAGRAM: YARN COMPRESSION BETWEEN THE FLOAT

We assumed that complete flattening takes place in the half of the yarn which contacts a neighboring yarn under the float and that the original semicircle of the yarn half section became a rectangle after compression. Since the vertical dimension of this compressed half section does not change from the original uncompressed yarn, all of the compression must take place in the horizontal direction. But since the fiber packing density remains constant, the area of the compressed half section must equal that of the uncompressed half section. This means that the product of the compressed horizontal dimension (width) multiplied by the uncompressed vertical dimension (height) must equal the area of the uncompressed semi-circular yarn section. In other words,

$$\frac{\pi d^2}{8} = d \times \text{(Compressed width)} \qquad (69)$$

$$\text{Compressed width} = \frac{\pi d}{8} \qquad (70)$$

$$\text{Compressed width} = .3927\ d \quad \text{(of half-section)} \qquad (71)$$

$$2 \text{ compressed widths} = .7854\ d \quad \text{(full-section)} \qquad (72)$$

In the situation shown in the diagram "Yarn Compression Between the Float," for M = 1.5 (where three yarns constitute a repeat of weave), the original (before compression) lateral diameter of the three yarns in the repeat is:

$$d \times 3 = 3d \qquad (73)$$

After compression has taken place the lateral diameters of the three yarns in the repeat is:

$$d + d + .79\ d = 2.79\ d \qquad (74)$$

The compressed average lateral diameter is then

$$d_{ca} = \frac{2.79\ d}{3} \qquad (75)$$

Or putting this in terms of the standard symbols:

$$d_{ca} = .93\ d_{oa} \quad (\text{for } M = 1.5) \qquad (76)$$

By following the same reasoning we find that the relationships between $d_{ca}$ and $d_{oa}$ for the weaves with $M = 2$ and $M = 2.5$ are:

$$d_{ca} = .89 d_{oa} \quad (\text{For } M = 2.0)$$

$$d_{ca} = .87 d_{oa} \quad (\text{For } M = 2.5)$$

Computation of $K_a$ (max):

Since the average compressed lateral diameters of the yarns are less than the average original lateral diameters of the yarns, it is obvious that more compressed yarns can be squeezed into the same space than would be predicted from the value of $K_o$ which was previously computed, since $K_o$ represents the maximum cover factor for yarns assumed to be completely cylindrical. Therefore, in dealing with the 3-, 4-, and 5-harness weaves where migration and compression of the yarns under the float take place, it is necessary to develop a new $K_o$ to take into consideration the additional number of yarns it is possible to squeeze into the structure. This new $K_o$ is designated as $K_a$ (max.)

Recall from equation (25) that:

$$\frac{d}{p} = \frac{.0342K}{\sqrt{De}} \qquad (77)$$

Since for cotton $De = .909$

$$\text{then } \frac{d}{p} = .0359K \qquad (78)$$

$$\text{or } \frac{d}{p} = \frac{K}{27.8} \qquad (79)$$

$$\text{and } K = \frac{27.8d}{p} \qquad (80)$$

The maximum cover factor or $K_a$ (max) will occur when adjacent yarns are in contact. When this situation prevails the average spacing equals the average compressed diameters or

$$p_a = d_{ca} \qquad (81)$$

therefore $K_a \text{ (max)} = \frac{27.8 \, d_{oa}}{d_{ca}}$ (82)

And since from (76) for M = 1.5

$$d_{ca} = .93 \, d_{oa} \quad (83)$$

We have $K_a \text{ (max)} = \frac{27.8 \, d_{oa}}{.93 \, d_{oa}} = 29.9$ (84)

The factor 28.0 has been used in the past in lieu of 27.8. In this case for 28.0 we have:

$$K_a \text{ (max)} = \frac{28.0 \, d_{oa}}{.93 \, d_{oa}} = 30.2 \quad (85)$$

Now express $d_{oa}$ in terms of D using equations (55) to (58).

$$D = d_{oa1}^{*} + d_{oa2} \quad (86)$$

$$B = \frac{d_{oa2}}{d_{oa1}} \qquad D = d_{oa1} + d_{oa1} B$$

$$\therefore D = d_{oa1} (1 + B) \quad (87)$$

Since from (76) $d_{ca1} = .93 \, d_{oa1}$ (88)

$$d_{oa1} = 1.08 \, d_{ca1} \quad (89)$$

therefore: $D = 1.08 \, d_{ca1} (1 + B)$ (90)

and using equation (68) for local spacing

$$p_1 = M(p_{a1} - d_{ca1}) + d_{oa1} \quad (91)$$

---

* Subscripts 1 and 2 refer to warp and filling respectively.

We obtain $\frac{p_1}{D} = \frac{M(p_{al} - d_{cal}) + d_{oal}}{1.08\, d_{cal}\,(1 + B)}$ (92)

From equation (80) using the value 28.0, we get:

$$K_{al} = \frac{28\, d_{cal}}{p_{al}} = \frac{30.2\, d_{cal}}{p_{al}} \tag{93}$$

and

$$p_{al} = \frac{30.2\, d_{cal}}{K_{al}} \tag{94}$$

therefore

$$\frac{p_1}{D} = \frac{1.5\left(\frac{30.2\, d_{cal}}{K_{al}} - d_{cal}\right) + d_{cal}}{1.08\, d_{cal}\,(1 + B)} \tag{95}$$

$$\frac{p_1}{D} = \frac{1.5\, d_{cal}\left(\frac{30.2}{K_{al}} - 1\right) + d_{oal}}{1.08\, d_{cal}\,(1 + B)} \tag{96}$$

$$\frac{p_1}{D} = \frac{1.5\, d_{cal}\left(\frac{30.2}{K_{al}} - 1\right) + 1.08\, d_{cal}}{1.08\, d_{cal}\,(1 + B)} \tag{97}$$

$$\frac{p_1}{D} = \frac{1.5\left(\frac{30.2}{K_{al}} - 1\right) + 1.08}{1.08\,(1 + B)} \tag{98}$$

Recall from (55) that $B = \frac{d_{oa2}}{d_{oa1}}$ $\qquad d_{oa1} = \frac{d_{oa2}}{B}$ (99)

And $D = d_{oa1} + d_{oa2}$ (100)

therefore $D = \frac{d_{oa2}}{B} + d_{oa2}$ (101)

$$D = \frac{d_{oa2} + d_{oa2} B}{B} \quad (102)$$

$$D = \frac{d_{oa2} (1 + B)}{B} \quad (103)$$

And from (89) $d_{oa2} = 1.08\, d_{ca2}$ (104)

therefore $D = \frac{1.08\, d_{ca2} (1 + B)}{B}$ (for $M = 1.5$) (105)

And from (68) for local spacing

$$p_2 = M (p_{a2} - d_{ca2}) + d_{oa2} \quad (106)$$

therefore $\frac{p_2}{D} = \frac{M (p_{a2} - d_{ca2}) + d_{oa2}}{\frac{1.08\, d_{ca2} (1 + B)}{B}}$ (107)*

And $\frac{p_2}{D} = \frac{\left[M (p_{a2} - d_{ca2}) + d_{oa2}\right] B}{1.08\, d_{ca2} (1 + B)}$ (108)

And from (94) $p_{a2} = \frac{30.2\, d_{ca2}}{K_{a2}}$ (109)

* $M = 1.5$ for equations 107 to 115 inclusive

therefore

$$\frac{P_2}{D} = \frac{\left[M\left(\frac{30.2\, d_{ca2}}{K_{a2}} - d_{ca2}\right) + d_{oa2}\right]B}{1.08\, d_{ca2}\,(1 + B)} \tag{110}$$

$$\frac{P_2}{D} = \frac{\left[M_{dca2}\left(\frac{30.2}{K_{a2}} - 1\right) + d_{oa2}\right]B}{1.08\, d_{ca2}\,(1 + B)} \tag{111}$$

$$\frac{P_2}{D} = \frac{\left[M_{dca2}\left(\frac{30.2}{K_{a2}} - 1\right) + 1.08\, d_{ca2}\right]B}{1.08\, d_{ca2}\,(1 + B)} \tag{112}$$

$$\frac{P_2}{D} = \frac{\left[M\left(\frac{30.2}{K_{a2}} - 1\right) + 1.08\right]B}{1.08\,(1 + B)} \tag{113}$$

And since from (54)

$$\sqrt{1 - \left(\frac{p_1}{D}\right)^2} + \sqrt{1 - \left(\frac{p_2}{D}\right)^2} = 1 \tag{114}$$

We have

$$\sqrt{1 - \left[\frac{M\left(\frac{30.2}{K_{a1}} - 1\right) + 1.08}{1.08\,(1 + B)}\right]^2} + \sqrt{1 - \left[\frac{\left[M\left(\frac{30.2}{K_{a2}} - 1\right) + 1.08\right]B}{1.08\,(1 + B)}\right]^2} = 1 \tag{115}$$

This is the specific maximum weavability equation of a three harness weave for cotton fabrics numbered in the cotton system and using a $K_o$ of 28.0.

## V. DERIVATION OF THE GENERALIZED MAXIMUM WEAVABILITY EQUATIONS FOR ALL FIBER SPECIES AND BLENDS

We shall now derive the general equation for a 3-harness weave made from any type of fiber but also numbered in the cotton system.

Recall from (77) that $\frac{d}{p} = \frac{.0342\ K}{\sqrt{De}}$ (116)

Where De is the bulk density of the yarn

and $\frac{d}{p} = \frac{K}{29.2\sqrt{De}}$ (117)

Thus, recalling equation (79), whenever we use the factors 27.8 or 28.0 in the derivation of Equation (115) above, we may now substitute $29.2\sqrt{De}$

For example, for the three harness weave, Equation (85)

$$K_a\ (\max) = \frac{29.2\sqrt{De}\ d_{oa}}{.93\ d_{oa}} = 31.4\sqrt{De} \qquad (118)$$

Thus the general equation for the 3-Harness Weave is: (119)

$$\sqrt{1 - \left[\frac{1.5\left(\frac{31.4\sqrt{De}}{K_{a1}} - 1\right) + 1.08}{1.08\ (1 + B)}\right]^2} + \sqrt{1 - \left[\frac{\left[1.5\left(\frac{31.4\sqrt{De}}{K_{a2}} - 1\right) + 1.08\right] B}{1.08\ (1 + B)}\right]^2} = 1$$

(120)

For the four harness weave ($M = 2$) $d_{ca1} = 3.57\ d_{oa1}/4 = .89\ d_{oa1}$

And $d_{oal} = 1.12\, d_{cal}$ (121)

$$K_{al} = \frac{28\, d_{oal}}{p_{al}} = \frac{28 \times 1.12\, d_{cal}}{p_{al}} = \frac{31.4\, d_{cal}}{p_{al}} \quad (122)$$

For the general case of the 4-Harness Weave, we use

$$K_{al} = \frac{29.2\sqrt{De} \times 1.12\, d_{cal}}{p_{al}} = \frac{32.7\sqrt{De}\, d_{cal}}{p_{al}} \quad (123)$$

And the general equation for the 4-Harness Weave is: (124)

$$\sqrt{1-\left[\frac{2\left(\frac{32.7\sqrt{De}}{K_{a1}}-1\right)+1.12}{1.12\,(1+B)}\right]^2}+\sqrt{1-\left[\frac{\left[2\left(\frac{32.7\sqrt{De}}{K_{a2}}-1\right)+1.12\right]B}{1.12\,(1+B)}\right]^2}=1$$

For the Five Harness Weave ($M = 2.5$)

$$d_{cal} = .87\, d_{oal} \quad (125)$$

$$d_{oal} = 1.15\, d_{cal} \quad (126)$$

For the general case of the 5-Harness Weave we use

$$K_{al} = \frac{29.2\sqrt{De}\,(1.15)\, d_{cal}}{p_{al}} = 33.6 \quad (127)$$

And thus the general equation for the 5-Harness Weave is:

$$\sqrt{1 - \left[\frac{2.5\left(\frac{33.6\sqrt{De}}{K_{a1}} - 1\right) + 1.15}{1.15\ (1 + B)}\right]^2} + \sqrt{1 - \left[\frac{\left[2.5\left(\frac{33.6\sqrt{De}}{K_{a2}} - 1\right) + 1.15\right]B}{1.15\ (1 + B)}\right]^2} = 1 \qquad (128)$$

For the Oxford Weave the warp portion of the equation is identical to that for the 4-Harness Weave (M = 2.0) and the filling portion of the equation is identical to that for the Plain (2-Harness Weave).

The general equation for the Oxford is therefore:

$$\sqrt{1 - \left[\frac{2.0\left(\frac{32.7\sqrt{De}}{K_{a1}} - 1\right) + 1.12}{1.12\ (1 + B)}\right]^2} + \sqrt{1 - \left[\frac{29.2\ \sqrt{De}\ B}{(1 + B)\ K_{a2}}\right]^2} = 1 \qquad (129)$$

These general equations are now in practically the same form as the original equations for cotton which were derived in Textile Series Report No. 90[3], and solved and tabled in Textile Series Report No. 128[4]. One new variable appears, namely, De, the bulk density of the yarn. In the tabulations which appear in TSR 128[4], one table is required to encompass the solutions of the maximum weavability equation for each weave type, or a total of five tables are necessary for the five basic weave types: the plain, 3-harness, 4-harness, 5-harness, and oxford. To establish a series of tables of solutions for the new general equations it will be necessary to have a group of five tables (representing the five weaves) for each of the yarn bulk densities which are selected.

# REFERENCES


1. Ball, H.J., "Engineering Design of Textile Structures," Lowell Tech. Inst., Lowell, Mass. (1961).

2. Peirce, F.T., "The Geometry of Cloth Structure," Textile Inst. 2, T 45 (1937).

3. Love, L., "Graphical Relationships in Cloth Geometry for Plain, Twill and Sateen Weaves," Textile Series Report No. 90, US Army Natick Laboratories, Natick, Mass., (Sept. 1955).

4. Weiner, L.I. and Johnston, J.E., "Design Tables for Cotton Fabrics," Textile Series Report No. 128, U.S. Army Natick Laboratories, Natick, Mass. (August 1964).

TABLE I

BULK DENSITIES OF YARNS, COMPUTED FROM FIBER DENSITIES

This table lists the fiber densities of the natural and man-made fibers in use today. Corresponding to each fiber density, the yarn bulk density of a theoretical yarn spun from this fiber is given, assuming that the packing coefficient of the yarn is 0.59. The range of densities includes fibers as light as polypropylene and as heavy as stainless steel. The additional fiber densities provide for the development of fibers which differ in density from existing fiber species.

TABLE I

BULK DENSITIES OF YARNS, COMPUTED FROM FIBER DENSITIES*
(Listed in order of fiber density)

| Fiber Designation | Fiber Density | Yarn Bulk Density gm/cm$^3$ |
|---|---|---|
| Polypropylene | .91 | .54 |
| Polyethylene (Low Density) | .92 | .54 |
| Polyethylene (High Density) | .95 | .56 |
| | .98 | .58 |
| | 1.10 | .65 |
| | 1.12 | .66 |
| Nylon | 1.14 | .67 |
| Orlon | 1.14 | .67 |
| | 1.15 | .68 |
| Acrilan | 1.17 | .69 |
| Creslan | 1.18 | .70 |
| Nytril | 1.18 | .70 |
| Zefran | 1.19 | .70 |
| | 1.20 | .71 |
| Kodel | 1.22 | .72 |
| | 1.24 | .73 |
| Silk (Boiled-off) | 1.25 | .74 |
| Azlon | 1.25 | .74 |
| Vinal | 1.26 | .74 |

*Yarn bulk density = fiber density x 0.59 (standardized "packing coefficient"); see Equation (1)

TABLE I (Cont'd)

| Fiber Designation | Fiber Density | Yarn Bulk Density gm/cm$^3$ |
|---|---|---|
| | 1.27 | .75 |
| | 1.29 | .76 |
| Dynel | 1.30 | .77 |
| Arnel | 1.30 | .77 |
| Ardil | 1.30 | .77 |
| Wool | 1.32 | .78 |
| Mohair | 1.32 | .78 |
| Acetate | 1.32 | .78 |
| | 1.34 | .79 |
| Vinyon | 1.35 | .80 |
| Vycron | 1.36 | .80 |
| Verel | 1.37 | .81 |
| Dacron | 1.38 | .81 |
| Fortrel | 1.38 | .81 |
| | 1.39 | .82 |
| | 1.41 | .83 |
| | 1.42 | .84 |
| | 1.44 | .85 |
| | 1.46 | .86 |

TABLE I (Cont'd)

| Fiber Designation | Fiber Density | Yarn Bulk Density gm/cm$^3$ |
|---|---|---|
| Hemp | 1.48 | .87 |
| Jute | 1.48 | .87 |
| | 1.49 | .88 |
| Avril | 1.50 | .89 |
| Flax (Linen) | 1.50 | .89 |
| Ramie | 1.51 | .89 |
| Zantrel | 1.51 | .89 |
| Viscose Rayon | 1.52 | .90 |
| Cuprammonium | 1.52 | .90 |
| Fortisan | 1.52 | .90 |
| Cotton | 1.54 | .91 |
| | 1.56 | .92 |
| | 1.58 | .93 |
| | 1.59 | .94 |
| Saran | 1.70 | 1.00 |
| Alginate | 1.70 | 1.00 |
| Teflon | 2.30 | 1.36 |
| Asbestos | 2.50 | 1.48 |
| Fiberglas | 2.54 | 1.50 |

TABLE I (Cont'd)

| Fiber Designation | Fiber Density | Yarn Bulk Density gm/cm$^3$ |
|---|---|---|
| | 3.00 | 1.77 |
| | 4.00 | 2.36 |
| | 5.00 | 2.95 |
| | 6.00 | 3.54 |
| | 7.00 | 4.13 |
| Stainless Steel | 7.80 | 4.60 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| Fiber Density | Fiber Designation |
|---|---|
| 1.14 | Nylon, Orlon |
| 1.17 | Acrilan |
| 1.22 | Kodel |
| 1.30 | Dynel, Arnel |
| 1.32 | Wool, mohair, acetate |
| 1.38 | Dacron, Fortrel |
| 1.52 | Viscose rayon, cuprammonium, Fortisan |
| 1.54 | Cotton |

The fiber density of one of the component fibers is given at the top of the first column, with the percentage of that fiber (from 5% to 95%) given below it.

The headings of the following seven columns give the fiber densities of the other component fibers, and the values in the body of the table are yarn bulk densities.

For example: Given a blend of 25% nylon, 75% cotton. Turn to page of table with "Fib. den = 1.14" above first column (fiber density of nylon is 1.14). Drop down to 25 in this column (the percentage of nylon in the blend). Go across this row (25) to the column headed 1.54 (this is the fiber density of cotton). This will give the bulk density of a blend of 25% nylon and 75% cotton as .84.

## TABLE II

### YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.14) (%) | 1.17 | 1.22 | 1.30 | 1.32 | 1.38 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.69 | 0.72 | 0.76 | 0.77 | 0.81 | 0.88 | 0.89 |
| 10 | 0.69 | 0.71 | 0.76 | 0.77 | 0.80 | 0.87 | 0.88 |
| 15 | 0.69 | 0.71 | 0.75 | 0.76 | 0.79 | 0.85 | 0.86 |
| 20 | 0.69 | 0.71 | 0.75 | 0.75 | 0.78 | 0.84 | 0.85 |
| 25 | 0.69 | 0.71 | 0.74 | 0.75 | 0.77 | 0.83 | 0.84 |
| 30 | 0.68 | 0.70 | 0.74 | 0.74 | 0.77 | 0.82 | 0.82 |
| 35 | 0.68 | 0.70 | 0.73 | 0.74 | 0.76 | 0.80 | 0.81 |
| 40 | 0.68 | 0.70 | 0.73 | 0.73 | 0.75 | 0.79 | 0.80 |
| 45 | 0.68 | 0.70 | 0.72 | 0.73 | 0.74 | 0.78 | 0.78 |
| 50 | 0.68 | 0.70 | 0.72 | 0.72 | 0.74 | 0.77 | 0.77 |
| 55 | 0.68 | 0.69 | 0.71 | 0.72 | 0.73 | 0.76 | 0.76 |
| 60 | 0.68 | 0.69 | 0.71 | 0.71 | 0.72 | 0.75 | 0.75 |
| 65 | 0.68 | 0.69 | 0.70 | 0.71 | 0.72 | 0.74 | 0.74 |
| 70 | 0.68 | 0.69 | 0.70 | 0.70 | 0.71 | 0.73 | 0.73 |
| 75 | 0.68 | 0.68 | 0.69 | 0.70 | 0.70 | 0.72 | 0.72 |
| 80 | 0.68 | 0.68 | 0.69 | 0.69 | 0.70 | 0.71 | 0.71 |
| 85 | 0.68 | 0.68 | 0.69 | 0.69 | 0.69 | 0.70 | 0.70 |
| 90 | 0.67 | 0.68 | 0.68 | 0.68 | 0.68 | 0.69 | 0.69 |
| 95 | 0.67 | 0.67 | 0.68 | 0.68 | 0.68 | 0.68 | 0.68 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.17) (%) | 1.14 | 1.22 | 1.30 | 1.32 | 1.38 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.67 | 0.72 | 0.76 | 0.77 | 0.81 | 0.88 | 0.89 |
| 10 | 0.67 | 0.72 | 0.76 | 0.77 | 0.80 | 0.87 | 0.88 |
| 15 | 0.68 | 0.72 | 0.75 | 0.76 | 0.79 | 0.86 | 0.87 |
| 20 | 0.68 | 0.71 | 0.75 | 0.76 | 0.79 | 0.85 | 0.85 |
| 25 | 0.68 | 0.71 | 0.75 | 0.75 | 0.78 | 0.83 | 0.84 |
| 30 | 0.68 | 0.71 | 0.74 | 0.75 | 0.77 | 0.82 | 0.83 |
| 35 | 0.68 | 0.71 | 0.74 | 0.75 | 0.77 | 0.81 | 0.82 |
| 40 | 0.68 | 0.71 | 0.73 | 0.74 | 0.76 | 0.80 | 0.81 |
| 45 | 0.68 | 0.71 | 0.73 | 0.74 | 0.75 | 0.79 | 0.80 |
| 50 | 0.68 | 0.70 | 0.73 | 0.73 | 0.75 | 0.78 | 0.78 |
| 55 | 0.68 | 0.70 | 0.72 | 0.73 | 0.74 | 0.77 | 0.77 |
| 60 | 0.68 | 0.70 | 0.72 | 0.72 | 0.74 | 0.76 | 0.76 |
| 65 | 0.68 | 0.70 | 0.72 | 0.72 | 0.73 | 0.75 | 0.75 |
| 70 | 0.68 | 0.70 | 0.71 | 0.71 | 0.72 | 0.74 | 0.74 |
| 75 | 0.69 | 0.70 | 0.71 | 0.71 | 0.72 | 0.73 | 0.73 |
| 80 | 0.69 | 0.70 | 0.70 | 0.71 | 0.71 | 0.72 | 0.73 |
| 85 | 0.69 | 0.69 | 0.70 | 0.70 | 0.71 | 0.71 | 0.72 |
| 90 | 0.69 | 0.69 | 0.70 | 0.70 | 0.70 | 0.71 | 0.71 |
| 95 | 0.69 | 0.69 | 0.69 | 0.69 | 0.70 | 0.70 | 0.70 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.22) (%) | 1.14 | 1.17 | 1.30 | 1.32 | 1.38 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.67 | 0.69 | 0.76 | 0.78 | 0.81 | 0.89 | 0.90 |
| 10 | 0.68 | 0.69 | 0.76 | 0.77 | 0.80 | 0.88 | 0.89 |
| 15 | 0.68 | 0.69 | 0.76 | 0.77 | 0.80 | 0.86 | 0.87 |
| 20 | 0.68 | 0.70 | 0.76 | 0.77 | 0.79 | 0.85 | 0.86 |
| 25 | 0.66 | 0.70 | 0.75 | 0.76 | 0.79 | 0.84 | 0.85 |
| 30 | 0.69 | 0.70 | 0.75 | 0.76 | 0.78 | 0.84 | 0.84 |
| 35 | 0.69 | 0.70 | 0.75 | 0.76 | 0.78 | 0.83 | 0.83 |
| 40 | 0.69 | 0.70 | 0.75 | 0.75 | 0.77 | 0.82 | 0.82 |
| 45 | 0.69 | 0.70 | 0.75 | 0.75 | 0.77 | 0.81 | 0.81 |
| 50 | 0.70 | 0.70 | 0.74 | 0.75 | 0.76 | 0.80 | 0.80 |
| 55 | 0.70 | 0.71 | 0.74 | 0.75 | 0.76 | 0.79 | 0.79 |
| 60 | 0.70 | 0.71 | 0.74 | 0.74 | 0.75 | 0.78 | 0.79 |
| 65 | 0.70 | 0.71 | 0.74 | 0.74 | 0.75 | 0.77 | 0.78 |
| 70 | 0.70 | 0.71 | 0.73 | 0.74 | 0.75 | 0.77 | 0.77 |
| 75 | 0.71 | 0.71 | 0.73 | 0.73 | 0.74 | 0.76 | 0.76 |
| 80 | 0.71 | 0.71 | 0.73 | 0.73 | 0.74 | 0.75 | 0.75 |
| 85 | 0.71 | 0.72 | 0.73 | 0.73 | 0.73 | 0.74 | 0.74 |
| 90 | 0.71 | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.74 |
| 95 | 0.72 | 0.72 | 0.72 | 0.72 | 0.72 | 0.73 | 0.73 |

## TABLE II

### YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| [FIB. DEN. = 1.30] (%) | 1.14 | 1.17 | 1.22 | 1.32 | 1.38 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.68 | 0.69 | 0.72 | 0.78 | 0.81 | 0.89 | 0.90 |
| 10 | 0.68 | 0.70 | 0.72 | 0.78 | 0.81 | 0.88 | 0.89 |
| 15 | 0.69 | 0.70 | 0.73 | 0.78 | 0.81 | 0.87 | 0.88 |
| 20 | 0.69 | 0.70 | 0.73 | 0.78 | 0.80 | 0.87 | 0.88 |
| 25 | 0.69 | 0.71 | 0.73 | 0.78 | 0.80 | 0.86 | 0.87 |
| 30 | 0.70 | 0.71 | 0.73 | 0.78 | 0.80 | 0.85 | 0.86 |
| 35 | 0.70 | 0.72 | 0.74 | 0.77 | 0.80 | 0.85 | 0.85 |
| 40 | 0.71 | 0.72 | 0.74 | 0.77 | 0.79 | 0.84 | 0.85 |
| 45 | 0.71 | 0.72 | 0.74 | 0.77 | 0.79 | 0.83 | 0.84 |
| 50 | 0.72 | 0.73 | 0.74 | 0.77 | 0.79 | 0.83 | 0.83 |
| 55 | 0.72 | 0.73 | 0.75 | 0.77 | 0.79 | 0.82 | 0.82 |
| 60 | 0.73 | 0.73 | 0.75 | 0.77 | 0.79 | 0.81 | 0.82 |
| 65 | 0.73 | 0.74 | 0.75 | 0.77 | 0.78 | 0.81 | 0.81 |
| 70 | 0.74 | 0.74 | 0.75 | 0.77 | 0.78 | 0.80 | 0.80 |
| 75 | 0.74 | 0.75 | 0.75 | 0.77 | 0.78 | 0.80 | 0.80 |
| 80 | 0.75 | 0.75 | 0.76 | 0.77 | 0.78 | 0.79 | 0.79 |
| 85 | 0.75 | 0.75 | 0.76 | 0.77 | 0.77 | 0.78 | 0.79 |
| 90 | 0.76 | 0.76 | 0.76 | 0.77 | 0.77 | 0.78 | 0.78 |
| 95 | 0.76 | 0.76 | 0.76 | 0.77 | 0.77 | 0.77 | 0.77 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.32) (%) | 1.14 | 1.17 | 1.22 | 1.30 | 1.38 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.68 | 0.69 | 0.72 | 0.77 | 0.81 | 0.89 | 0.90 |
| 10 | 0.68 | 0.70 | 0.73 | 0.77 | 0.81 | 0.88 | 0.89 |
| 15 | 0.69 | 0.70 | 0.73 | 0.77 | 0.81 | 0.88 | 0.89 |
| 20 | 0.69 | 0.71 | 0.73 | 0.77 | 0.81 | 0.87 | 0.88 |
| 25 | 0.70 | 0.71 | 0.73 | 0.77 | 0.81 | 0.86 | 0.87 |
| 30 | 0.70 | 0.71 | 0.74 | 0.77 | 0.80 | 0.86 | 0.87 |
| 35 | 0.71 | 0.72 | 0.74 | 0.77 | 0.80 | 0.85 | 0.86 |
| 40 | 0.71 | 0.72 | 0.74 | 0.77 | 0.80 | 0.85 | 0.85 |
| 45 | 0.72 | 0.73 | 0.75 | 0.77 | 0.80 | 0.84 | 0.85 |
| 50 | 0.72 | 0.73 | 0.75 | 0.77 | 0.80 | 0.83 | 0.84 |
| 55 | 0.73 | 0.74 | 0.75 | 0.77 | 0.79 | 0.83 | 0.83 |
| 60 | 0.73 | 0.74 | 0.75 | 0.77 | 0.79 | 0.82 | 0.83 |
| 65 | 0.74 | 0.75 | 0.76 | 0.77 | 0.79 | 0.82 | 0.82 |
| 70 | 0.74 | 0.75 | 0.76 | 0.78 | 0.79 | 0.81 | 0.81 |
| 75 | 0.75 | 0.75 | 0.76 | 0.78 | 0.79 | 0.81 | 0.81 |
| 80 | 0.75 | 0.76 | 0.77 | 0.78 | 0.79 | 0.80 | 0.80 |
| 85 | 0.76 | 0.76 | 0.77 | 0.78 | 0.78 | 0.79 | 0.80 |
| 90 | 0.77 | 0.77 | 0.77 | 0.78 | 0.78 | 0.79 | 0.79 |
| 95 | 0.77 | 0.77 | 0.78 | 0.78 | 0.78 | 0.78 | 0.78 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.38) (%) | 1.14 | 1.17 | 1.22 | 1.30 | 1.32 | 1.52 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.68 | 0.70 | 0.72 | 0.77 | 0.78 | 0.89 | 0.90 |
| 10 | 0.68 | 0.70 | 0.73 | 0.77 | 0.78 | 0.89 | 0.90 |
| 15 | 0.69 | 0.71 | 0.73 | 0.77 | 0.78 | 0.88 | 0.89 |
| 20 | 0.70 | 0.71 | 0.74 | 0.78 | 0.79 | 0.88 | 0.89 |
| 25 | 0.70 | 0.72 | 0.74 | 0.78 | 0.79 | 0.87 | 0.88 |
| 30 | 0.71 | 0.72 | 0.75 | 0.78 | 0.79 | 0.87 | 0.88 |
| 35 | 0.72 | 0.73 | 0.75 | 0.78 | 0.79 | 0.87 | 0.87 |
| 40 | 0.72 | 0.74 | 0.75 | 0.79 | 0.79 | 0.86 | 0.87 |
| 45 | 0.73 | 0.74 | 0.76 | 0.79 | 0.79 | 0.86 | 0.86 |
| 50 | 0.74 | 0.75 | 0.76 | 0.79 | 0.80 | 0.85 | 0.86 |
| 55 | 0.74 | 0.75 | 0.77 | 0.79 | 0.80 | 0.85 | 0.85 |
| 60 | 0.75 | 0.76 | 0.77 | 0.79 | 0.80 | 0.85 | 0.85 |
| 65 | 0.76 | 0.77 | 0.78 | 0.80 | 0.80 | 0.84 | 0.84 |
| 70 | 0.77 | 0.77 | 0.78 | 0.80 | 0.80 | 0.84 | 0.84 |
| 75 | 0.77 | 0.78 | 0.79 | 0.80 | 0.81 | 0.83 | 0.84 |
| 80 | 0.78 | 0.79 | 0.79 | 0.80 | 0.81 | 0.83 | 0.83 |
| 85 | 0.79 | 0.79 | 0.80 | 0.81 | 0.81 | 0.83 | 0.83 |
| 90 | 0.80 | 0.80 | 0.80 | 0.81 | 0.81 | 0.82 | 0.82 |
| 95 | 0.81 | 0.81 | 0.81 | 0.81 | 0.81 | 0.82 | 0.82 |

TABLE II

YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| (FIB. DEN. = 1.52) (%) | 1.14 | 1.17 | 1.22 | 1.30 | 1.32 | 1.38 | 1.54 |
|---|---|---|---|---|---|---|---|
| 5 | 0.68 | 0.70 | 0.73 | 0.77 | 0.78 | 0.82 | 0.91 |
| 10 | 0.69 | 0.71 | 0.73 | 0.78 | 0.79 | 0.82 | 0.91 |
| 15 | 0.70 | 0.71 | 0.74 | 0.78 | 0.79 | 0.83 | 0.91 |
| 20 | 0.71 | 0.72 | 0.75 | 0.79 | 0.80 | 0.83 | 0.91 |
| 25 | 0.72 | 0.73 | 0.76 | 0.80 | 0.81 | 0.83 | 0.91 |
| 30 | 0.73 | 0.74 | 0.77 | 0.80 | 0.81 | 0.84 | 0.91 |
| 35 | 0.74 | 0.75 | 0.77 | 0.81 | 0.82 | 0.84 | 0.90 |
| 40 | 0.75 | 0.76 | 0.78 | 0.81 | 0.82 | 0.85 | 0.90 |
| 45 | 0.76 | 0.77 | 0.79 | 0.82 | 0.83 | 0.85 | 0.90 |
| 50 | 0.77 | 0.78 | 0.80 | 0.83 | 0.83 | 0.85 | 0.90 |
| 55 | 0.78 | 0.79 | 0.81 | 0.83 | 0.84 | 0.86 | 0.90 |
| 60 | 0.79 | 0.80 | 0.82 | 0.84 | 0.85 | 0.86 | 0.90 |
| 65 | 0.80 | 0.81 | 0.83 | 0.85 | 0.85 | 0.87 | 0.90 |
| 70 | 0.82 | 0.82 | 0.84 | 0.85 | 0.86 | 0.87 | 0.90 |
| 75 | 0.83 | 0.83 | 0.84 | 0.86 | 0.86 | 0.87 | 0.90 |
| 80 | 0.84 | 0.85 | 0.85 | 0.87 | 0.87 | 0.88 | 0.90 |
| 85 | 0.85 | 0.86 | 0.86 | 0.87 | 0.88 | 0.88 | 0.90 |
| 90 | 0.87 | 0.87 | 0.88 | 0.88 | 0.88 | 0.89 | 0.90 |
| 95 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.89 | 0.90 |

## TABLE II

### YARN BULK DENSITIES OF BLENDS OF THE IMPORTANT COMMERCIAL FIBERS

| [FIB. DEN. = 1.54] (%) | 1.14 | 1.17 | 1.22 | 1.30 | 1.32 | 1.38 | 1.52 |
|---|---|---|---|---|---|---|---|
| 5 | 0.68 | 0.70 | 0.73 | 0.77 | 0.78 | 0.82 | 0.90 |
| 10 | 0.69 | 0.71 | 0.74 | 0.78 | 0.79 | 0.82 | 0.90 |
| 15 | 0.70 | 0.72 | 0.74 | 0.79 | 0.80 | 0.83 | 0.90 |
| 20 | 0.71 | 0.73 | 0.75 | 0.79 | 0.80 | 0.83 | 0.90 |
| 25 | 0.72 | 0.73 | 0.76 | 0.80 | 0.81 | 0.84 | 0.90 |
| 30 | 0.73 | 0.74 | 0.77 | 0.80 | 0.81 | 0.84 | 0.90 |
| 35 | 0.74 | 0.75 | 0.78 | 0.81 | 0.82 | 0.84 | 0.90 |
| 40 | 0.75 | 0.76 | 0.79 | 0.82 | 0.83 | 0.85 | 0.90 |
| 45 | 0.76 | 0.77 | 0.79 | 0.82 | 0.83 | 0.85 | 0.90 |
| 50 | 0.77 | 0.78 | 0.80 | 0.83 | 0.84 | 0.86 | 0.90 |
| 55 | 0.78 | 0.80 | 0.81 | 0.84 | 0.85 | 0.86 | 0.90 |
| 60 | 0.80 | 0.81 | 0.82 | 0.85 | 0.85 | 0.87 | 0.90 |
| 65 | 0.81 | 0.82 | 0.83 | 0.85 | 0.86 | 0.87 | 0.90 |
| 70 | 0.82 | 0.83 | 0.84 | 0.86 | 0.67 | 0.88 | 0.91 |
| 75 | 0.84 | 0.84 | 0.85 | 0.87 | 0.87 | 0.88 | 0.91 |
| 80 | 0.85 | 0.85 | 0.86 | 0.88 | 0.88 | 0.89 | 0.91 |
| 85 | 0.86 | 0.87 | 0.87 | 0.88 | 0.89 | 0.89 | 0.91 |
| 90 | 0.88 | 0.88 | 0.89 | 0.89 | 0.89 | 0.90 | 0.91 |
| 95 | 0.89 | 0.89 | 0.90 | 0.90 | 0.90 | 0.90 | 0.91 |

MAXIMUM WEAVABILITY TABLE

TABLE III. MAXIMUM FILLING COVER FACTOR IN TERMS OF WARP COVER FACTOR, BETA FACTOR, AND YARN BULK DENSITY

This table provides solutions for the maximum weavability equations (3c) for:

A. Plain weaves, 2-harness
B. Twills, 3-harness
C. Twills and crowfoot, 4-harness
D. Sateens, 5-harness
E. Oxford weave

For each yarn bulk density value listed below there is a section of Table III for each of the above weave types on the page indicated below:

| Yarn Bulk Density | Plain Weave | Three Harn. | Four Harn. | Five Harn. | Oxford |
|---|---|---|---|---|---|
| .54 | 65 | 112 | 161 | 215 | 277 |
| .55 | | | | 216 | |
| .56 | 66 | 113 | 162 | 217 | 278 |
| .57 | | | | 218 | |
| .58 | 67 | 114 | 163 | 219 | 279 |
| .59 | | | | 220 | |
| .60 | | | | 221 | |
| .61 | | | | 222 | |
| .62 | | | | 223 | |
| .63 | | | | 224 | |
| .64 | | | | 225 | |
| .65 | 68 | 115 | 164 | 226 | 280 |
| .66 | 69 | 116 | 165 | 227 | 281 |
| .67 | 70 | 117 | 166 | 228 | 282 |
| .68 | 71 | 118 | 167 | 229 | 283 |
| .69 | 72 | 119 | 168 | 230 | 284 |
| .70 | 73 | 120 | 169 | 231 | 285 |
| .71 | 74 | 121 | 170 | 232 | 286 |
| .72 | 75 | 122 | 171 | 233 | 287 |
| .73 | 76 | 123 | 172 | 234 | 288 |
| .74 | 77 | 124 | 173 | 235 | 289 |
| .75 | 78 | 125 | 174 | 236 | 290 |
| .76 | 79 | 126 | 175 | 237 | 291 |
| .77 | 80 | 127 | 176 | 238 | 292 |
| .78 | 81 | 128 | 177 | 239 | 293 |
| .79 | 82 | 129 | 178 | 240 | 294 |
| .80 | 83 | 130 | 179 | 241 | 295 |
| .81 | 84 | 131 | 180 | 242 | 296 |

| Yarn Bulk Density | Plain Weave | Three Harn. | Four Harn. | Five Harn. | Oxford |
|---|---|---|---|---|---|
| .82 | 85 | 132 | 181 | 243 | 297 |
| .83 | 86 | 133 | 182 | 244 | 298 |
| .84 | 87 | 134 | 183 | 245 | 299 |
| .85 | 88 | 135 | 184 | 246 | 300 |
| .86 | 89 | 136 | 185 | 247 | 301 |
| .87 | 90 | 137 | 186 | 248 | 302 |
| .88 | 91 | 138 | 187 | 249 | 303 |
| .89 | 92 | 139 | 188 | 250 | 304 |
| .90 | 93 | 140 | 189 | 251 | 305 |
| .91 | 94 | 141 | 190 | 252 | 306 |
| .92 | 95 | 142 | 191 | 253 | 307 |
| .93 | 96 | 143 | 192 | 254 | 308 |
| .94 | 97 | 144 | 193 | 255 | 309 |
| .95 | | | 194 | 256 | 310 |
| .96 | | | 195 | 257 | 311 |
| .97 | | | 196 | 258 | 312 |
| .98 | | | 197 | 259 | 313 |
| .99 | | | 198 | 260 | 314 |
| 1.00 | 98 | 145 | 199 | 261 | 315 |
| 1.36 | 99 | 146 | 200 | 262 | 316 |
| 1.48 | | 147 | 201 | 263 | 317 |
| 1.50 | | 148 | 202 | 264 | 318 |
| 1.77 | 100 | 149 | 203 | 265 | 319 |
| 2.00 | 101 | 150 | 204 | 266 | 320 |
| 2.36 | 102 | 151 | 205 | 267 | 321 |
| 2.50 | 103 | 152 | 206 | 268 | 322 |
| 2.75 | 104 | 153 | 207 | 269 | 323 |
| 2.95 | 105 | 154 | 208 | 270 | 324 |
| 3.25 | 106 | 155 | 209 | 271 | 325 |
| 3.54 | 107 | 156 | 210 | 272 | 326 |
| 3.75 | 108 | 157 | 211 | 273 | 327 |
| 4.00 | 109 | 158 | 212 | 274 | 328 |
| 4.13 | 110 | 159 | 213 | 275 | 329 |
| 4.60 | 111 | 160 | 214 | 276 | 330 |

The overall range of warp cover factors is from 8 to 62. However, depending upon the yarn bulk density and/or the weave type the range may be less than this.

Beta factors range from 0.5 to 2.0

See Sections in the body of the report for:

Computation and organization of Table III (3c)
How to use Table III (5)
Examples of use of Table III (6)
Basic assumptions and limitations of tables (7)

## PLAIN WEAVE

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.54

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 19.7 | 17.9 | 17.2 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 18.0 | 16.5 | 15.9 | 15.7 | 15.6 | 15.6 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18.7 | 15.8 | 15.0 | 14.7 | 14.7 | 14.7 | 14.8 | 14.9 | 15.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 17.1 | 14.5 | 13.9 | 13.7 | 13.8 | 13.9 | 14.0 | 14.2 | 14.4 | 14.6 | 14.7 |
| 12 | 0. | 0. | 0. | 20.5 | 13.6 | 12.9 | 12.8 | 12.9 | 13.1 | 13.3 | 13.5 | 13.7 | 14.0 | 14.2 | 14.4 | 14.6 |
| 13 | 0. | 0. | 13.6 | 11.9 | 11.8 | 11.9 | 12.2 | 12.4 | 12.7 | 13.0 | 13.3 | 13.6 | 13.8 | 14.1 | 14.3 | 14.5 |
| 14 | 0. | 11.5 | 10.7 | 10.8 | 11.1 | 11.5 | 11.8 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.7 | 14.0 | 14.2 | 14.4 |
| 15 | 10.0 | 9.7 | 9.9 | 10.4 | 10.8 | 11.3 | 11.7 | 12.1 | 12.4 | 12.8 | 13.1 | 13.4 | 13.7 | 13.9 | 14.2 | 14.4 |
| 16 | 8.6 | 9.0 | 9.6 | 10.1 | 10.6 | 11.1 | 11.6 | 12.0 | 12.3 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 |
| 17 | 8.1 | 8.7 | 9.4 | 10.0 | 10.5 | 11.0 | 11.5 | 11.9 | 12.3 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 |
| 18 | 7.8 | 8.5 | 9.2 | 9.9 | 10.4 | 10.9 | 11.4 | 11.9 | 12.3 | 12.6 | 13.0 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 |
| 19 | 7.6 | 8.4 | 9.1 | 9.8 | 10.4 | 10.9 | 11.4 | 11.8 | 12.2 | 12.6 | 13.0 | 13.3 | 13.6 | 13.8 | 14.1 | 14.3 |
| 20 | 7.5 | 8.3 | 9.1 | 9.7 | 10.3 | 10.9 | 11.4 | 11.8 | 12.2 | 12.6 | 12.9 | 13.3 | 13.6 | 13.8 | 14.1 | 14.3 |
| 21 | 7.4 | 8.3 | 9.0 | 9.7 | 10.3 | 10.8 | 11.3 | 11.8 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 22 | 7.4 | 8.2 | 9.0 | 9.7 | 10.3 | 10.8 | 11.3 | 11.8 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 23 | 7.3 | 8.2 | 9.0 | 9.6 | 10.2 | 10.8 | 11.3 | 11.8 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 24 | 7.3 | 8.2 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 25 | 7.3 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 26 | 7.3 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 27 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 28 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 29 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 30 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 31 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.7 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 32 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.7 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.56

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.4 | 19.1 | 18.0 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.2 | 17.5 | 16.6 | 16.2 | 16.1 | 16.0 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 17.0 | 15.7 | 15.3 | 15.1 | 15.1 | 15.2 | 15.2 | 15.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 23.4 | 15.5 | 14.5 | 14.2 | 14.2 | 14.3 | 14.4 | 14.5 | 14.7 | 14.9 | 15.0 |
| 12 | 0. | 0. | 0. | 0. | 14.8 | 13.5 | 13.2 | 13.3 | 13.4 | 13.6 | 13.8 | 14.0 | 14.3 | 14.5 | 14.7 | 14.9 |
| 13 | 0. | 0. | 17.1 | 12.7 | 12.2 | 12.3 | 12.5 | 12.7 | 13.0 | 13.3 | 13.6 | 13.8 | 14.1 | 14.3 | 14.6 | 14.8 |
| 14 | 0. | 13.1 | 11.3 | 11.2 | 11.5 | 11.8 | 12.1 | 12.5 | 12.8 | 13.1 | 13.4 | 13.7 | 14.0 | 14.3 | 14.5 | 14.7 |
| 15 | 11.2 | 10.1 | 10.3 | 10.7 | 11.1 | 11.5 | 11.9 | 12.3 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 14.2 | 14.4 | 14.7 |
| 16 | 9.0 | 9.3 | 9.8 | 10.4 | 10.9 | 11.3 | 11.8 | 12.2 | 12.6 | 13.0 | 13.3 | 13.6 | 13.9 | 14.2 | 14.4 | 14.7 |
| 17 | 8.3 | 9.0 | 9.6 | 10.2 | 10.7 | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.6 | 13.9 | 14.1 | 14.4 | 14.6 |
| 18 | 8.0 | 8.7 | 9.4 | 10.1 | 10.6 | 11.2 | 11.6 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 |
| 19 | 7.8 | 8.6 | 9.3 | 10.0 | 10.6 | 11.1 | 11.6 | 12.1 | 12.5 | 12.8 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 |
| 20 | 7.7 | 8.5 | 9.3 | 9.9 | 10.5 | 11.1 | 11.6 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.[illegible] | 14.4 | 14.6 |
| 21 | 7.6 | 8.4 | 9.2 | 9.9 | 10.5 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.[illegible] | 14.3 | 14.6 |
| 22 | 7.5 | 8.4 | 9.2 | 9.8 | 10.5 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 23 | 7.5 | 8.4 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 24 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 25 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 26 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 27 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 28 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 29 | 7.4 | 8.3 | 9.0 | 9.8 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 30 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.[illegible] | 14.3 | 14.6 |
| 31 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 10.9 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.[illegible] | 14.3 | 14.6 |
| 32 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 10.9 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.[illegible] | 14.3 | 14.6 |

32 7.5 8.2 9.0 9.7 10.4 10.9 11.5 11.9 12.4 12.8 13.1 13.5 13.8 14.1 14.3 14.6

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.58

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 20.8 | 19.0 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 18.9 | 17.5 | 16.9 | 16.6 | 16.4 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 18.8 | 16.6 | 15.9 | 15.6 | 15.5 | 15.5 | 15.6 | 15.7 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 17.0 | 15.2 | 14.7 | 14.6 | 14.6 | 14.7 | 14.9 | 15.0 | 15.2 | 15.4 |
| 12 | 0. | 0. | 0. | 0. | 16.8 | 14.2 | 13.7 | 13.7 | 13.8 | 13.9 | 14.1 | 14.3 | 14.6 | 14.8 | 15.0 | 15.2 |
| 13 | 0. | 0. | 0. | 13.6 | 12.8 | 12.7 | 12.8 | 13.1 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 | 14.6 | 14.8 | 15.1 |
| 14 | 0. | 17.6 | 12.0 | 11.7 | 11.8 | 12.1 | 12.4 | 12.8 | 13.1 | 13.4 | 13.7 | 14.0 | 14.3 | 14.5 | 14.8 | 15.0 |
| 15 | 14.0 | 10.7 | 10.7 | 11.0 | 11.4 | 11.8 | 12.2 | 12.6 | 12.9 | 13.3 | 13.6 | 13.9 | 14.2 | 14.5 | 14.7 | 15.0 |
| 16 | 9.5 | 9.7 | 10.1 | 10.6 | 11.1 | 11.6 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.9 | 14.1 | 14.4 | 14.7 | 14.9 |
| 17 | 8.6 | 9.2 | 9.8 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.4 | 14.7 | 14.9 |
| 18 | 8.2 | 9.0 | 9.6 | 10.3 | 10.9 | 11.4 | 11.9 | 12.3 | 12.7 | 13.1 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 | 14.9 |
| 19 | 8.0 | 8.8 | 9.5 | 10.2 | 10.8 | 11.3 | 11.8 | 12.3 | 12.7 | 13.1 | 13.4 | 13.8 | 14.1 | 14.4 | 14.6 | 14.9 |
| 20 | 7.8 | 8.7 | 9.4 | 10.1 | 10.7 | 11.3 | 11.8 | 12.2 | 12.7 | 13.1 | 13.4 | 13.7 | 14.1 | 14.3 | 14.6 | 14.9 |
| 21 | 7.7 | 8.6 | 9.4 | 10.1 | 10.7 | 11.2 | 11.8 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.9 |
| 22 | 7.7 | 8.6 | 9.3 | 10.0 | 10.7 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.9 |
| 23 | 7.6 | 8.5 | 9.3 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 24 | 7.6 | 8.5 | 9.3 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 25 | 7.6 | 8.5 | 9.3 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 26 | 7.5 | 8.4 | 9.2 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 27 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 28 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 29 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 30 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 31 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.1 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 32 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.1 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.65

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.5 | 19.8 | 18.7 | 18.3 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 16.9 | 17.7 | 17.2 | 17.0 | 17.0 | 17.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.1 | 17.2 | 16.4 | 16.1 | 16.1 | 16.1 | 16.2 | 16.3 | 16.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 19.9 | 16.1 | 15.3 | 15.1 | 15.2 | 15.3 | 15.4 | 15.6 | 15.8 | 16.0 | 16.2 |
| 13 | 0. | 0. | 0. | 0. | 15.6 | 14.4 | 14.2 | 14.2 | 14.4 | 14.6 | 14.9 | 15.1 | 15.3 | 15.6 | 15.8 | 16.0 |
| 14 | 0. | 0. | 18.6 | 13.7 | 13.2 | 13.2 | 13.5 | 13.7 | 14.0 | 14.3 | 14.6 | 14.9 | 15.2 | 15.4 | 15.7 | 15.9 |
| 15 | 0. | 14.9 | 12.3 | 12.2 | 12.4 | 12.7 | 13.1 | 13.5 | 13.8 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.6 | 15.9 |
| 16 | 13.2 | 11.1 | 11.2 | 11.6 | 12.0 | 12.4 | 12.9 | 13.3 | 13.7 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.8 |
| 17 | 10.0 | 10.2 | 10.7 | 11.2 | 11.8 | 12.3 | 12.7 | 13.2 | 13.6 | 14.0 | 14.3 | 14.7 | 15.0 | 15.3 | 15.5 | 15.8 |
| 18 | 9.1 | 9.7 | 10.4 | 11.0 | 11.6 | 12.1 | 12.6 | 13.1 | 13.5 | 13.9 | 14.3 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 |
| 19 | 8.7 | 9.5 | 10.2 | 10.9 | 11.5 | 12.1 | 12.6 | 13.0 | 13.5 | 13.9 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 |
| 20 | 8.5 | 9.3 | 10.1 | 10.8 | 11.4 | 12.0 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 |
| 21 | 8.3 | 9.2 | 10.0 | 10.7 | 11.4 | 11.9 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 |
| 22 | 8.2 | 9.1 | 9.9 | 10.7 | 11.3 | 11.9 | 12.5 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.7 |
| 23 | 8.1 | 9.1 | 9.9 | 10.6 | 11.3 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.7 |
| 24 | 8.1 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.7 |
| 25 | 8.0 | 9.0 | 9.8 | 10.6 | 11.2 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.4 | 15.7 |
| 26 | 8.0 | 9.0 | 9.8 | 10.6 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.2 | 14.5 | 14.8 | 15.2 | 15.4 | 15.7 |
| 27 | 8.0 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.2 | 14.5 | 14.8 | 15.2 | 15.4 | 15.7 |
| 28 | 8.0 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.2 | 15.4 | 15.7 |
| 29 | 7.9 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 30 | 7.9 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 31 | 7.9 | 8.9 | 9.7 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 32 | 7.9 | 8.9 | 9.7 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.7 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.66

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.0 | 20.4 | 19.1 | 18.5 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 19.5 | 19.1 | 17.5 | 17.3 | 17.2 | 17.2 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.7 | 17.7 | 16.7 | 16.4 | 16.3 | 16.3 | 16.4 | 16.5 | 16.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 22.4 | 16.6 | 15.6 | 15.4 | 15.4 | 15.4 | 15.6 | 15.8 | 15.9 | 16.1 | 16.3 |
| 13 | 0. | 0. | 0. | 0. | 16.2 | 14.7 | 14.4 | 14.4 | 14.6 | 14.8 | 15.0 | 15.2 | 15.5 | 15.7 | 15.9 | 16.2 |
| 14 | 0. | 0. | 24.8 | 14.1 | 13.4 | 13.4 | 13.6 | 13.9 | 14.2 | 14.5 | 14.8 | 15.0 | 15.3 | 15.6 | 15.8 | 16.1 |
| 15 | 0. | 16.8 | 12.6 | 12.4 | 12.6 | 12.9 | 13.2 | 13.6 | 13.9 | 14.3 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 | 16.0 |
| 16 | 14.9 | 11.4 | 11.4 | 11.7 | 12.1 | 12.6 | 13.0 | 13.4 | 13.8 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 17 | 10.2 | 10.3 | 10.8 | 11.3 | 11.9 | 12.4 | 12.8 | 13.3 | 13.7 | 14.1 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 15.9 |
| 18 | 9.3 | 9.9 | 10.5 | 11.1 | 11.7 | 12.2 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.6 | 15.9 |
| 19 | 8.8 | 9.6 | 10.3 | 11.0 | 11.6 | 12.2 | 12.7 | 13.1 | 13.6 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 20 | 8.6 | 9.4 | 10.2 | 10.9 | 11.5 | 12.1 | 12.6 | 13.1 | 13.5 | 14.0 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 21 | 8.4 | 9.3 | 10.1 | 10.8 | 11.5 | 12.0 | 12.6 | 13.1 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 22 | 8.3 | 9.2 | 10.0 | 10.8 | 11.4 | 12.0 | 12.6 | 13.0 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 23 | 8.2 | 9.2 | 10.0 | 10.7 | 11.4 | 12.0 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 24 | 8.2 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 25 | 8.1 | 9.1 | 9.9 | 10.7 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 26 | 8.1 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 27 | 8.1 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 28 | 8.0 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 29 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 30 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 31 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.8 |
| 32 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.8 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

### YARN BULK DENSITY =0.67

### PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.3 |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 21.0 | 19.5 | 18.9 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 20.3 | 18.5 | 17.8 | 17.5 | 17.4 | 17.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 18.2 | 17.0 | 16.6 | 16.5 | 16.5 | 16.5 | 16.6 | 16.8 |
| 12 | 0. | 0. | 0. | 0. | 0. | 28.7 | 17.1 | 15.9 | 15.6 | 15.5 | 15.6 | 15.7 | 15.9 | 16.1 | 16.3 | 16.5 |
| 13 | 0. | 0. | 0. | 0. | 17.1 | 15.0 | 14.6 | 14.6 | 14.7 | 14.9 | 15.1 | 15.4 | 15.6 | 15.9 | 16.1 | 16.3 |
| 14 | 0. | 0. | 0. | 14.5 | 13.7 | 13.6 | 13.8 | 14.0 | 14.3 | 14.6 | 14.9 | 15.2 | 15.4 | 15.7 | 16.0 | 16.2 |
| 15 | 0. | 21.5 | 13.0 | 12.6 | 12.7 | 13.0 | 13.4 | 13.7 | 14.1 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 |
| 16 | 19.2 | 11.7 | 11.5 | 11.8 | 12.3 | 12.7 | 13.1 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 | 16.1 |
| 17 | 10.5 | 10.5 | 10.9 | 11.5 | 12.0 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.0 |
| 18 | 9.4 | 10.0 | 10.6 | 11.2 | 11.8 | 12.3 | 12.9 | 13.3 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.0 |
| 19 | 8.9 | 9.7 | 10.4 | 11.1 | 11.7 | 12.3 | 12.8 | 13.3 | 13.7 | 14.1 | 14.5 | 14.8 | 15.1 | 15.5 | 15.7 | 16.0 |
| 20 | 8.7 | 9.5 | 10.3 | 11.0 | 11.6 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 21 | 8.5 | 9.4 | 10.2 | 10.9 | 11.6 | 12.1 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 22 | 8.4 | 9.3 | 10.1 | 10.8 | 11.5 | 12.1 | 12.7 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 23 | 8.3 | 9.2 | 10.1 | 10.8 | 11.5 | 12.1 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 24 | 8.2 | 9.2 | 10.0 | 10.8 | 11.4 | 12.1 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 25 | 8.2 | 9.1 | 10.0 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 |
| 26 | 8.1 | 9.1 | 10.0 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 |
| 27 | 8.1 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 28 | 8.1 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 29 | 8.1 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 30 | 8.1 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 31 | 8.0 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 32 | 8.0 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.5 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.63

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.3 | 21.8 | 20.0 | 19.2 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.2 | 18.9 | 18.1 | 17.8 | 17.6 | 17.5 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 18.9 | 17.4 | 16.9 | 16.7 | 16.7 | 16.7 | 16.8 | 16.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 17.8 | 16.3 | 15.8 | 15.7 | 15.8 | 15.9 | 16.1 | 16.2 | 16.4 | 16.6 |
| 13 | 0. | 0. | 0. | 0. | 18.1 | 15.4 | 14.9 | 14.8 | 14.9 | 15.1 | 15.3 | 15.5 | 15.8 | 16.0 | 16.2 | 16.4 |
| 14 | 0. | 0. | 0. | 15.1 | 13.9 | 13.8 | 13.9 | 14.2 | 14.5 | 14.7 | 15.0 | 15.3 | 15.6 | 15.8 | 16.1 | 16.3 |
| 15 | 0. | 0. | 13.4 | 12.8 | 12.9 | 13.2 | 13.5 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.7 | 16.0 | 16.2 |
| 16 | 0. | 12.0 | 11.7 | 12.0 | 12.4 | 12.8 | 13.2 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 | 16.2 |
| 17 | 10.8 | 10.7 | 11.1 | 11.6 | 12.1 | 12.6 | 13.1 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 18 | 9.6 | 10.1 | 10.7 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 |
| 19 | 9.1 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.1 |
| 20 | 8.8 | 9.6 | 10.4 | 11.1 | 11.7 | 12.3 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.6 | 15.8 | 16.1 |
| 21 | 8.6 | 9.5 | 10.3 | 11.0 | 11.6 | 12.2 | 12.8 | 13.3 | 13.7 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 22 | 8.5 | 9.4 | 10.2 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 23 | 8.4 | 9.3 | 10.1 | 10.9 | 11.6 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 24 | 8.3 | 9.3 | 10.1 | 10.9 | 11.5 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 25 | 8.3 | 9.2 | 10.1 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 26 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 27 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 28 | 8.2 | 9.1 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 29 | 8.1 | 9.1 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 30 | 8.1 | 9.1 | 10.0 | 10.8 | 11.5 | 12.1 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 31 | 8.1 | 9.1 | 10.0 | 10.8 | 11.4 | 12.1 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 32 | 8.1 | 9.1 | 10.0 | 10.7 | 11.4 | 12.1 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.59

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.5 | 22.8 | 20.5 | 19.5 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.3 | 19.4 | 18.4 | 18.0 | 17.8 | 17.7 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19.6 | 17.8 | 17.1 | 16.9 | 16.9 | 16.9 | 17.0 | 17.1 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 18.6 | 16.6 | 16.1 | 15.9 | 16.0 | 16.1 | 16.2 | 16.4 | 16.6 | 16.8 |
| 13 | 0. | 0. | 0. | 0. | 19.6 | 15.8 | 15.1 | 15.0 | 15.1 | 15.2 | 15.4 | 15.7 | 15.9 | 16.1 | 16.3 | 16.6 |
| 14 | 0. | 0. | 0. | 15.7 | 14.2 | 14.0 | 14.1 | 14.3 | 14.6 | 14.9 | 15.2 | 15.4 | 15.7 | 16.0 | 16.2 | 16.4 |
| 15 | 0. | 0. | 13.8 | 13.0 | 13.1 | 13.3 | 13.6 | 14.0 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 | 16.4 |
| 16 | 0. | 12.4 | 11.9 | 12.1 | 12.5 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.3 |
| 17 | 11.2 | 10.9 | 11.2 | 11.7 | 12.2 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 18 | 9.8 | 10.2 | 10.8 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 19 | 9.2 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.2 |
| 20 | 8.9 | 9.7 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.2 |
| 21 | 8.7 | 9.6 | 10.4 | 11.1 | 11.7 | 12.3 | 12.9 | 13.4 | 13.8 | 14.3 | 14.6 | 15.0 | 15.3 | 15.7 | 15.9 | 16.2 |
| 22 | 8.5 | 9.5 | 10.3 | 11.0 | 11.7 | 12.3 | 12.8 | 13.4 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 23 | 8.4 | 9.4 | 10.2 | 11.0 | 11.7 | 12.3 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 24 | 8.4 | 9.3 | 10.2 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 25 | 8.3 | 9.3 | 10.2 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 26 | 8.3 | 9.3 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 27 | 8.3 | 9.2 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 28 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.7 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 29 | 8.2 | 9.2 | 10.1 | 10.9 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |
| 30 | 8.2 | 9.2 | 10.1 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |
| 31 | 8.2 | 9.2 | 10.1 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |
| 32 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.70

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 21.0 | 19.9 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.8 | 20.0 | 18.8 | 18.3 | 18.0 | 17.9 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.5 | 18.2 | 17.4 | 17.1 | 17.0 | 17.1 | 17.1 | 17.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 19.5 | 17.0 | 16.3 | 16.1 | 16.1 | 16.2 | 16.4 | 16.5 | 16.7 | 16.9 |
| 13 | 0. | 0. | 0. | 0. | 22.2 | 16.2 | 15.4 | 15.2 | 15.2 | 15.4 | 15.6 | 15.8 | 16.0 | 16.3 | 16.5 | 16.7 |
| 14 | 0. | 0. | 0. | 16.6 | 14.5 | 14.2 | 14.3 | 14.5 | 14.7 | 15.0 | 15.3 | 15.6 | 15.8 | 16.1 | 16.3 | 16.6 |
| 15 | 0. | 0. | 14.4 | 13.3 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 |
| 16 | 0. | 12.8 | 12.1 | 12.3 | 12.7 | 13.1 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 | 16.4 |
| 17 | 11.6 | 11.1 | 11.4 | 11.8 | 12.3 | 12.8 | 13.3 | 13.7 | 14.2 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.1 | 16.4 |
| 18 | 9.9 | 10.4 | 11.0 | 11.6 | 12.1 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 19 | 9.3 | 10.0 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 20 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.3 |
| 21 | 8.8 | 9.6 | 10.5 | 11.2 | 11.8 | 12.4 | 13.0 | 13.5 | 13.9 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.3 |
| 22 | 8.6 | 9.5 | 10.4 | 11.1 | 11.8 | 12.4 | 12.9 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.3 |
| 23 | 8.5 | 9.5 | 10.3 | 11.1 | 11.7 | 12.4 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 24 | 8.4 | 9.4 | 10.3 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 25 | 8.4 | 9.4 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 26 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 27 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 28 | 8.3 | 9.3 | 10.2 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 29 | 8.3 | 9.3 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 30 | 8.3 | 9.3 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 31 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 32 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.71

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 21.6 | 20.3 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 20.6 | 19.2 | 18.6 | 18.3 | 18.1 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.7 | 18.6 | 17.7 | 17.4 | 17.3 | 17.2 | 17.3 | 17.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 20.8 | 17.4 | 16.6 | 16.4 | 16.3 | 16.4 | 16.5 | 16.7 | 16.9 | 17.0 |
| 13 | 0. | 0. | 0. | 0. | 28.4 | 16.7 | 15.6 | 15.4 | 15.4 | 15.6 | 15.7 | 15.9 | 16.2 | 16.4 | 16.6 | 16.8 |
| 14 | 0. | 0. | 0. | 17.6 | 14.9 | 14.4 | 14.5 | 14.6 | 14.9 | 15.1 | 15.4 | 15.7 | 16.0 | 16.2 | 16.5 | 16.7 |
| 15 | 0. | 0. | 15.0 | 13.5 | 13.4 | 13.6 | 13.9 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.6 |
| 16 | 0. | 13.4 | 12.4 | 12.5 | 12.8 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 17 | 12.1 | 11.3 | 11.5 | 12.0 | 12.5 | 12.9 | 13.4 | 13.8 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 |
| 18 | 10.1 | 10.5 | 11.1 | 11.7 | 12.2 | 12.8 | 13.3 | 13.7 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 19 | 9.4 | 10.1 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 20 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 |
| 21 | 8.8 | 9.7 | 10.5 | 11.3 | 11.9 | 12.5 | 13.1 | 13.6 | 14.0 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 |
| 22 | 8.7 | 9.6 | 10.5 | 11.2 | 11.9 | 12.5 | 13.0 | 13.6 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.4 |
| 23 | 8.6 | 9.5 | 10.4 | 11.2 | 11.8 | 12.5 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.4 |
| 24 | 8.5 | 9.5 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.4 |
| 25 | 8.5 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 26 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 27 | 8.4 | 9.4 | 10.3 | 11.0 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 28 | 8.4 | 9.4 | 10.2 | 11.0 | 11.7 | 12.4 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 29 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 30 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 31 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 32 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.72

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 22.3 | 20.7 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 21.3 | 19.3 | 18.8 | 18.5 | 18.4 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 19.1 | 18.0 | 17.6 | 17.5 | 17.4 | 17.5 | 17.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 22.5 | 17.9 | 16.9 | 16.6 | 16.5 | 16.6 | 16.7 | 16.8 | 17.0 | 17.2 |
| 13 | 0. | 0. | 0. | 0. | 0. | 17.3 | 15.9 | 15.6 | 15.6 | 15.7 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 17.0 |
| 14 | 0. | 0. | 0. | 19.1 | 15.2 | 14.7 | 14.6 | 14.8 | 15.0 | 15.3 | 15.6 | 15.8 | 16.1 | 16.3 | 16.6 | 16.8 |
| 15 | 0. | 0. | 15.8 | 13.8 | 13.6 | 13.8 | 14.0 | 14.4 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.2 | 16.5 | 16.7 |
| 16 | 0. | 14.0 | 12.6 | 12.6 | 12.9 | 13.3 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.4 | 16.7 |
| 17 | 12.8 | 11.5 | 11.7 | 12.1 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 18 | 10.3 | 10.7 | 11.2 | 11.8 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.4 | 16.6 |
| 19 | 9.6 | 10.2 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 20 | 9.2 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 21 | 8.9 | 9.8 | 10.6 | 11.4 | 12.0 | 12.6 | 13.2 | 13.7 | 14.1 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 |
| 22 | 8.8 | 9.7 | 10.5 | 11.3 | 12.0 | 12.6 | 13.1 | 13.7 | 14.1 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 |
| 23 | 8.7 | 9.6 | 10.5 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 |
| 24 | 8.6 | 9.6 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 25 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 26 | 8.5 | 9.5 | 10.4 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 27 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.0 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 28 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.0 | 13.6 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.3 | 16.5 |
| 29 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.6 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 30 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.6 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 31 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 32 | 8.3 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.73

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 | 23.1 | 21.1 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.5 | 22.1 | 20.0 | 19.1 | 18.8 | 18.6 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 19.7 | 18.4 | 17.9 | 17.7 | 17.6 | 17.6 | 17.7 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 18.4 | 17.2 | 16.8 | 16.7 | 16.7 | 16.9 | 17.0 | 17.2 | 17.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 17.9 | 16.2 | 15.8 | 15.8 | 15.9 | 16.0 | 16.2 | 16.4 | 16.7 | 16.9 | 17.1 |
| 14 | 0. | 0. | 0. | 21.7 | 15.6 | 14.9 | 14.8 | 14.9 | 15.2 | 15.4 | 15.7 | 16.0 | 16.2 | 16.5 | 16.7 | 17.0 |
| 15 | 0. | 0. | 16.9 | 14.1 | 13.8 | 13.9 | 14.2 | 14.5 | 14.8 | 15.2 | 15.5 | 15.6 | 16.1 | 16.4 | 16.6 | 16.9 |
| 16 | 0. | 14.8 | 12.9 | 12.8 | 13.1 | 13.4 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.8 |
| 17 | 13.7 | 11.7 | 11.8 | 12.2 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 |
| 18 | 10.6 | 10.8 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.7 |
| 19 | 9.7 | 10.4 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 20 | 9.3 | 10.1 | 10.8 | 11.5 | 12.2 | 12.8 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 21 | 9.0 | 9.9 | 10.7 | 11.4 | 12.1 | 12.7 | 13.3 | 13.8 | 14.2 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 22 | 8.9 | 9.8 | 10.6 | 11.4 | 12.1 | 12.7 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 23 | 8.7 | 9.7 | 10.6 | 11.3 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 24 | 8.7 | 9.6 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 25 | 8.6 | 9.6 | 10.5 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 |
| 26 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.1 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 |
| 27 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.1 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 |
| 28 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.7 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 29 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.7 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 30 | 8.4 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 31 | 8.4 | 9.4 | 10.3 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 32 | 8.4 | 9.4 | 10.3 | 11.1 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.74

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.1 | 24.0 | 21.6 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.1 | 20.4 | 19.5 | 19.0 | 18.8 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 20.3 | 18.7 | 18.1 | 17.9 | 17.8 | 17.8 | 17.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 19.0 | 17.5 | 17.0 | 16.9 | 16.9 | 17.0 | 17.1 | 17.3 | 17.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 18.7 | 16.6 | 16.1 | 16.0 | 16.0 | 16.2 | 16.4 | 16.6 | 16.8 | 17.0 | 17.2 |
| 14 | 0. | 0. | 0. | 28.4 | 16.0 | 15.1 | 15.0 | 15.1 | 15.3 | 15.6 | 15.8 | 16.1 | 16.3 | 16.6 | 16.8 | 17.1 |
| 15 | 0. | 0. | 18.4 | 14.4 | 14.0 | 14.1 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 16 | 0. | 16.0 | 13.1 | 13.0 | 13.2 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 16.9 |
| 17 | 14.9 | 12.0 | 12.0 | 12.4 | 12.8 | 13.3 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 |
| 18 | 10.8 | 11.0 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 19 | 9.9 | 10.5 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.9 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.8 |
| 20 | 9.4 | 10.2 | 10.9 | 11.6 | 12.3 | 12.9 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 |
| 21 | 9.1 | 10.0 | 10.8 | 11.5 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 |
| 22 | 8.9 | 9.9 | 10.7 | 11.5 | 12.1 | 12.8 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 23 | 8.8 | 9.8 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 24 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 25 | 8.7 | 9.7 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 26 | 8.6 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.2 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 27 | 8.6 | 9.6 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.8 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 28 | 8.5 | 9.6 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.8 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 29 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 30 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 31 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 32 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.75

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 22.2 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 20.9 | 19.8 | 19.3 | 19.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.0 | 21.0 | 19.1 | 18.4 | 18.1 | 18.0 | 18.0 | 18.1 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19.7 | 17.9 | 17.3 | 17.1 | 17.1 | 17.2 | 17.3 | 17.4 | 17.6 |
| 13 | 0. | 0. | 0. | 0. | 0. | 19.7 | 16.9 | 16.3 | 16.2 | 16.2 | [illegible] | 16.5 | 16.7 | 16.9 | 17.2 | 17.4 |
| 14 | 0. | 0. | 0. | 0. | 16.5 | 15.4 | 15.2 | 15.3 | 15.5 | 15.7 | 16.0 | 16.2 | 16.5 | 16.7 | 17.0 | 17.2 |
| 15 | 0. | 0. | 21.2 | 14.8 | 14.2 | 14.3 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.1 |
| 16 | 0. | 17.7 | 13.4 | 13.2 | 13.4 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 |
| 17 | 17.2 | 12.2 | 12.2 | 12.5 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 18 | 11.1 | 11.1 | 11.6 | 12.1 | 12.7 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 19 | 10.0 | 10.6 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 20 | 9.5 | 10.3 | 11.0 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 16.9 |
| 21 | 9.2 | 10.1 | 10.9 | 11.6 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 |
| 22 | 9.0 | 10.0 | 10.8 | 11.5 | 12.2 | 12.9 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 23 | 8.9 | 9.9 | 10.7 | 11.5 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 24 | 8.8 | 9.8 | 10.7 | 11.4 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 25 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.3 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 26 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 27 | 8.6 | 9.7 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.9 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 28 | 8.6 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 29 | 8.5 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 30 | 8.6 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 31 | 8.5 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 32 | 8.5 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.76

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 22.8 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 21.5 | 20.2 | 19.5 | 19.2 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.9 | 19.5 | 18.7 | 18.3 | 18.2 | 18.2 | 18.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.5 | 18.2 | 17.5 | 17.3 | 17.3 | 17.3 | 17.5 | 17.6 | 17.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 21.1 | 17.3 | 16.6 | 16.4 | 16.4 | 16.5 | 16.7 | 16.9 | 17.1 | 17.3 | 17.5 |
| 14 | 0. | 0. | 0. | 0. | 17.1 | 15.7 | 15.4 | 15.4 | 15.6 | 15.8 | 16.1 | 16.3 | 16.6 | 16.9 | 17.1 | 17.3 |
| 15 | 0. | 0. | 31.0 | 15.2 | 14.4 | 14.4 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 | 17.2 |
| 16 | 0. | 21.3 | 13.8 | 13.4 | 13.5 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 |
| 17 | 25.1 | 12.5 | 12.3 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.1 |
| 18 | 11.4 | 11.3 | 11.7 | 12.2 | 12.8 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 |
| 19 | 10.2 | 10.7 | 11.4 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 20 | 9.6 | 10.4 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.0 |
| 21 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 22 | 9.1 | 10.0 | 10.9 | 11.6 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 23 | 9.0 | 9.9 | 10.8 | 11.6 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 24 | 8.9 | 9.9 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 25 | 8.8 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.4 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 26 | 8.7 | 9.8 | 10.7 | 11.5 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 27 | 8.7 | 9.7 | 10.6 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 28 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 29 | 8.6 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 30 | 8.6 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 31 | 8.6 | 9.6 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 32 | 8.6 | 9.6 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.77

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 23.4 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.3 | 22.1 | 20.5 | 19.8 | 19.5 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 19.9 | 19.0 | 18.6 | 18.4 | 18.4 | 18.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.5 | 18.6 | 17.8 | 17.5 | 17.5 | 17.5 | 17.6 | 17.7 | 17.9 |
| 13 | 0. | 0. | 0. | 0. | 0. | 23.0 | 17.8 | 16.8 | 16.6 | 16.6 | 16.7 | 16.8 | 17.0 | 17.2 | 17.4 | 17.6 |
| 14 | 0. | 0. | 0. | 0. | 17.8 | 16.0 | 15.6 | 15.6 | 15.8 | 16.0 | 16.2 | 16.5 | 16.7 | 17.0 | 17.2 | 17.5 |
| 15 | 0. | 0. | 0. | 15.6 | 14.7 | 14.6 | 14.8 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.8 | 17.1 | 17.4 |
| 16 | 0. | 0. | 14.1 | 13.6 | 13.7 | 14.0 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 |
| 17 | 0. | 12.9 | 12.5 | 12.8 | 13.2 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.2 |
| 18 | 11.7 | 11.4 | 11.8 | 12.4 | 12.9 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 |
| 19 | 10.3 | 10.8 | 11.5 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 20 | 9.7 | 10.5 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 21 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.1 |
| 22 | 9.2 | 10.1 | 11.0 | 11.7 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 |
| 23 | 9.0 | 10.0 | 10.9 | 11.7 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.0 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 24 | 8.9 | 9.9 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 25 | 8.9 | 9.9 | 10.8 | 11.6 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 26 | 8.8 | 9.8 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 27 | 8.8 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 28 | 8.7 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 29 | 8.7 | 9.7 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 30 | 8.7 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 31 | 8.7 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 32 | 8.6 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.78

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 24.2 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 22.9 | 20.9 | 20.1 | 19.7 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 20.4 | 19.3 | 18.8 | 18.6 | 18.5 | 18.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.8 | 19.0 | 18.1 | 17.7 | 17.6 | 17.7 | 17.8 | 17.9 | 18.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 26.4 | 18.2 | 17.1 | 16.8 | 16.7 | 16.8 | 17.0 | 17.1 | 17.3 | 17.6 | 17.8 |
| 14 | 0. | 0. | 0. | 0. | 18.6 | 16.3 | 15.8 | 15.8 | 15.9 | 16.1 | 16.4 | 16.6 | 16.9 | 17.1 | 17.4 | 17.6 |
| 15 | 0. | 0. | 0. | 16.1 | 14.9 | 14.8 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 | 17.2 | 17.5 |
| 16 | 0. | 0. | 14.5 | 13.8 | 13.8 | 14.1 | 14.5 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.1 | 17.4 |
| 17 | 0. | 13.2 | 12.7 | 12.9 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 |
| 18 | 12.1 | 11.6 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 |
| 19 | 10.5 | 11.0 | 11.6 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 20 | 9.9 | 10.6 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 21 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 |
| 22 | 9.3 | 10.2 | 11.0 | 11.8 | 12.5 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 17.0 | 17.2 |
| 23 | 9.1 | 10.1 | 11.0 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 24 | 9.0 | 10.0 | 10.9 | 11.7 | 12.4 | 13.1 | 13.6 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 25 | 8.9 | 10.0 | 10.8 | 11.7 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 26 | 8.9 | 9.9 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 27 | 8.8 | 9.9 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 28 | 8.8 | 9.8 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 29 | 8.8 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 30 | 8.7 | 9.8 | 10.7 | 11.5 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 31 | 8.7 | 9.8 | 10.7 | 11.5 | 12.3 | 12.9 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 32 | 8.7 | 9.8 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.79

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.0 | 25.1 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.9 | 23.7 | 21.4 | 20.4 | 20.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 | 21.0 | 19.6 | 19.0 | 18.8 | 18.7 | 18.7 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.5 | 19.5 | 18.4 | 18.0 | 17.8 | 17.8 | 17.9 | 18.0 | 18.2 |
| 13 | 0. | 0. | 0. | 0. | 0. | 38.1 | 18.8 | 17.4 | 17.0 | 16.9 | 17.0 | 17.1 | 17.3 | 17.5 | 17.7 | 17.9 |
| 14 | 0. | 0. | 0. | 0. | 19.7 | 16.6 | 16.0 | 16.0 | 16.1 | 16.3 | 16.5 | 16.7 | 17.0 | 17.2 | 17.5 | 17.7 |
| 15 | 0. | 0. | 0. | 16.7 | 15.2 | 15.0 | 15.1 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 | 17.6 |
| 16 | 0. | 0. | 15.0 | 14.0 | 14.0 | 14.3 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 | 17.5 |
| 17 | 0. | 13.6 | 12.9 | 13.1 | 13.4 | 13.9 | 14.3 | 14.7 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 |
| 18 | 12.5 | 11.8 | 12.1 | 12.6 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.5 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.4 |
| 19 | 10.7 | 11.1 | 11.7 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 |
| 20 | 10.0 | 10.7 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 21 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 |
| 22 | 9.4 | 10.3 | 11.1 | 11.9 | 12.6 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 |
| 23 | 9.2 | 10.2 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.4 | 16.7 | 17.1 | 17.3 |
| 24 | 9.1 | 10.1 | 11.0 | 11.8 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 25 | 9.0 | 10.0 | 10.9 | 11.7 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 26 | 8.9 | 10.0 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 27 | 8.9 | 9.9 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 28 | 8.9 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 29 | 8.8 | 9.9 | 10.8 | 11.6 | 12.4 | 13.0 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 30 | 8.8 | 9.9 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 31 | 8.8 | 9.8 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 32 | 8.8 | 9.8 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.80

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 21.8 | 20.7 | 20.2 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 21.6 | 20.0 | 19.3 | 19.0 | 18.9 | 18.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 20.0 | 18.7 | 18.2 | 18.0 | 18.0 | 18.1 | 18.2 | 18.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 19.4 | 17.7 | 17.2 | 17.1 | 17.1 | 17.3 | 17.4 | 17.6 | 17.8 | 18.0 |
| 14 | 0. | 0. | 0. | 0. | 21.1 | 17.0 | 16.3 | 16.1 | 16.2 | 16.4 | 16.6 | 16.9 | 17.1 | 17.4 | 17.6 | 17.8 |
| 15 | 0. | 0. | 0. | 17.4 | 15.5 | 15.2 | 15.2 | 15.5 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 | 17.7 |
| 16 | 0. | 0. | 15.5 | 14.2 | 14.2 | 14.4 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 17 | 0. | 14.1 | 13.1 | 13.2 | 13.6 | 14.0 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 |
| 18 | 13.1 | 12.0 | 12.3 | 12.7 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.6 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.5 |
| 19 | 10.9 | 11.2 | 11.8 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 |
| 20 | 10.1 | 10.8 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 21 | 9.7 | 10.5 | 11.3 | 12.1 | 12.8 | 13.4 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 |
| 22 | 9.4 | 10.4 | 11.2 | 12.0 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 |
| 23 | 9.3 | 10.3 | 11.1 | 11.9 | 12.6 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 |
| 24 | 9.2 | 10.2 | 11.1 | 11.9 | 12.6 | 13.2 | 13.8 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 |
| 25 | 9.1 | 10.1 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.4 |
| 26 | 9.0 | 10.0 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 27 | 9.0 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 28 | 8.9 | 10.0 | 10.9 | 11.7 | 12.5 | 13.1 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 29 | 8.9 | 9.9 | 10.9 | 11.7 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 30 | 8.9 | 9.9 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 31 | 8.8 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 32 | 8.8 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.81

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 22.4 | 21.1 | 20.5 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.0 | 22.2 | 20.3 | 19.6 | 19.2 | 19.1 | 19.1 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 20.6 | 19.0 | 18.4 | 18.2 | 18.2 | 18.2 | 18.3 | 18.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 20.1 | 18.0 | 17.4 | 17.3 | 17.3 | 17.4 | 17.6 | 17.8 | 18.0 | 18.1 |
| 14 | 0. | 0. | 0. | 0. | 23.3 | 17.4 | 16.5 | 16.3 | 16.4 | 16.6 | 16.8 | 17.5 | 17.2 | 17.5 | 17.7 | 18.0 |
| 15 | 0. | 0. | 0. | 18.3 | 15.8 | 15.4 | 15.4 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 | 17.6 | 17.8 |
| 16 | 0. | 0. | 16.1 | 14.5 | 14.3 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 |
| 17 | 0. | 14.7 | 13.3 | 13.4 | 13.7 | 14.1 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 |
| 18 | 13.7 | 12.2 | 12.4 | 12.8 | 13.3 | 13.9 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 19 | 11.1 | 11.4 | 11.9 | 12.5 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 |
| 20 | 10.2 | 10.9 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 21 | 9.8 | 10.6 | 11.4 | 12.2 | 12.8 | 13.5 | 14.0 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 22 | 9.5 | 10.5 | 11.3 | 12.1 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 |
| 23 | 9.4 | 10.3 | 11.2 | 12.0 | 12.7 | 13.4 | 13.9 | 14.5 | 15.0 | 15.4 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 |
| 24 | 9.2 | 10.2 | 11.1 | 11.9 | 12.7 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 |
| 25 | 9.1 | 10.2 | 11.1 | 11.9 | 12.6 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 |
| 26 | 9.1 | 10.1 | 11.0 | 11.9 | 12.6 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 |
| 27 | 9.0 | 10.1 | 11.0 | 11.8 | 12.6 | 13.2 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 28 | 9.0 | 10.0 | 11.0 | 11.8 | 12.6 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 29 | 8.9 | 10.0 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 30 | 8.9 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 31 | 8.9 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 32 | 8.9 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.82

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 | 22.9 | 21.4 | 20.8 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 20.7 | 19.9 | 19.5 | 19.3 | 19.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.3 | 19.3 | 18.7 | 18.4 | 18.4 | 18.4 | 18.5 | 18.6 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 21.0 | 18.4 | 17.7 | 17.5 | 17.5 | 17.6 | 17.7 | 17.9 | 18.1 | 18.3 |
| 14 | 0. | 0. | 0. | 0. | 27.6 | 17.8 | 16.8 | 16.5 | 16.5 | 16.7 | 16.9 | 17.1 | 17.4 | 17.6 | 17.9 | 18.1 |
| 15 | 0. | 0. | 0. | 19.5 | 16.1 | 15.6 | 15.6 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.4 | 17.7 | 18.0 |
| 16 | 0. | 0. | 16.9 | 14.7 | 14.5 | 14.7 | 15.0 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 |
| 17 | 0. | 15.4 | 13.6 | 13.5 | 13.8 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 |
| 18 | 14.6 | 12.4 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 19 | 11.3 | 11.5 | 12.0 | 12.6 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.5 | 17.7 |
| 20 | 10.4 | 11.0 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 21 | 9.9 | 10.7 | 11.5 | 12.3 | 12.9 | 13.6 | 14.1 | 14.7 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 22 | 9.6 | 10.5 | 11.4 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 |
| 23 | 9.4 | 10.4 | 11.3 | 12.1 | 12.8 | 13.4 | 14.0 | 14.6 | 15.1 | 15.5 | 16.0 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 |
| 24 | 9.3 | 10.3 | 11.2 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 |
| 25 | 9.2 | 10.2 | 11.2 | 12.0 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 |
| 26 | 9.1 | 10.2 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 |
| 27 | 9.1 | 10.1 | 11.1 | 11.9 | 12.7 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 |
| 28 | 9.0 | 10.1 | 11.0 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.7 |
| 29 | 9.0 | 10.1 | 11.0 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 30 | 9.0 | 10.1 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 31 | 9.0 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 32 | 8.9 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.83

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 23.6 | 21.8 | 21.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.0 | 21.1 | 20.1 | 19.7 | 19.5 | 19.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 19.7 | 18.9 | 18.6 | 18.5 | 18.6 | 18.6 | 18.8 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 18.7 | 17.9 | 17.7 | 17.6 | 17.7 | 17.9 | 18.0 | 18.2 | 18.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 18.3 | 17.0 | 16.7 | 16.7 | 16.8 | 17.0 | 17.3 | 17.5 | 17.7 | 18.0 | 18.2 |
| 15 | 0. | 0. | 0. | 21.1 | 16.4 | 15.8 | 15.7 | 15.9 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.8 | 18.1 |
| 16 | 0. | 0. | 17.9 | 15.0 | 14.7 | 14.8 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 |
| 17 | 0. | 16.3 | 13.8 | 13.7 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.4 | 17.7 | 17.9 |
| 18 | 15.9 | 12.7 | 12.7 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.5 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 |
| 19 | 11.6 | 11.6 | 12.2 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 |
| 20 | 10.5 | 11.1 | 11.8 | 12.5 | 13.2 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 21 | 10.0 | 10.8 | 11.6 | 12.4 | 13.0 | 13.7 | 14.2 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 22 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.6 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 |
| 23 | 9.5 | 10.5 | 11.4 | 12.2 | 12.9 | 13.5 | 14.1 | 14.7 | 15.2 | 15.6 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 |
| 24 | 9.4 | 10.4 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.6 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 |
| 25 | 9.3 | 10.3 | 11.2 | 12.1 | 12.8 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 26 | 9.2 | 10.3 | 11.2 | 12.0 | 12.8 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 27 | 9.1 | 10.2 | 11.1 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 28 | 9.1 | 10.2 | 11.1 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 29 | 9.1 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 30 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.8 |
| 31 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.8 |
| 32 | 9.0 | 10.1 | 11.0 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.84

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.9 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.9 | 24.3 | 22.2 | 21.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 21.6 | 20.4 | 19.9 | 19.7 | 19.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.1 | 20.1 | 19.2 | 18.8 | 18.7 | 18.7 | 18.8 | 18.9 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 19.2 | 18.2 | 17.9 | 17.8 | 17.9 | 18.0 | 18.2 | 18.4 | 18.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 18.9 | 17.3 | 16.9 | 16.9 | 17.0 | 17.2 | 17.4 | 17.6 | 17.9 | 18.1 | 18.3 |
| 15 | 0. | 0. | 0. | 23.9 | 16.8 | 16.0 | 15.9 | 16.0 | 16.3 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 17.9 | 18.2 |
| 16 | 0. | 0. | 19.3 | 15.3 | 14.9 | 15.0 | 15.3 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.3 | 17.6 | 17.8 | 18.1 |
| 17 | 0. | 17.6 | 14.1 | 13.9 | 14.1 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 | 18.0 |
| 18 | 17.9 | 12.9 | 12.9 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.6 | 16.0 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 |
| 19 | 11.8 | 11.8 | 12.3 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 |
| 20 | 10.7 | 11.2 | 11.9 | 12.4 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 |
| 21 | 10.1 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 |
| 22 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.7 | 14.3 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 |
| 23 | 9.6 | 10.6 | 11.4 | 12.2 | 13.0 | 13.6 | 14.2 | 14.8 | 15.3 | 15.7 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 |
| 24 | 9.5 | 10.5 | 11.4 | 12.2 | 12.9 | 13.6 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 |
| 25 | 9.3 | 10.4 | 11.3 | 12.1 | 12.9 | 13.5 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 |
| 26 | 9.3 | 10.3 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 27 | 9.2 | 10.3 | 11.2 | 12.1 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 28 | 9.2 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 29 | 9.1 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 30 | 9.1 | 10.2 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 31 | 9.1 | 10.2 | 11.1 | 12.0 | 12.8 | 13.4 | 14.1 | 14.6 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 32 | 9.1 | 10.1 | 11.1 | 12.0 | 12.7 | 13.4 | 14.1 | 14.6 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.85

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.8 |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 25.1 | 22.7 | 21.6 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 22.1 | 20.8 | 20.2 | 19.9 | 19.8 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 20.5 | 19.5 | 19.1 | 18.9 | 18.9 | 19.0 | 19.1 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 25.6 | 19.6 | 18.4 | 18.1 | 18.0 | 18.0 | 18.2 | 18.3 | 18.5 | 18.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 19.5 | 17.6 | 17.1 | 17.1 | 17.1 | 17.3 | 17.5 | 17.8 | 18.0 | 18.2 | 18.5 |
| 15 | 0. | 0. | 0. | 31.2 | 17.2 | 16.2 | 16.1 | 16.2 | 16.4 | 16.7 | 17.0 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 |
| 16 | 0. | 0. | 21.5 | 15.7 | 15.1 | 15.2 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 | 17.9 | 18.2 |
| 17 | 0. | 19.6 | 14.4 | 14.1 | 14.3 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 18 | 23.4 | 13.2 | 13.0 | 13.4 | 13.8 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 |
| 19 | 12.1 | 12.0 | 12.4 | 13.0 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 |
| 20 | 10.8 | 11.4 | 12.0 | 12.7 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.4 | 16.7 | 17.1 | 17.4 | 17.8 | 18.0 |
| 21 | 10.2 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 |
| 22 | 9.9 | 10.8 | 11.6 | 12.4 | 13.1 | 13.8 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 |
| 23 | 9.7 | 10.6 | 11.5 | 12.3 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.8 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 |
| 24 | 9.5 | 10.5 | 11.4 | 12.3 | 13.0 | 13.7 | 14.3 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 |
| 25 | 9.4 | 10.5 | 11.4 | 12.2 | 13.0 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 |
| 26 | 9.3 | 10.4 | 11.3 | 12.2 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 |
| 27 | 9.3 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 28 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 29 | 9.2 | 10.3 | 11.2 | 12.1 | 12.9 | 13.5 | 14.2 | 14.7 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 30 | 9.2 | 10.2 | 11.2 | 12.1 | 12.8 | 13.5 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 31 | 9.1 | 10.2 | 11.2 | 12.1 | 12.8 | 13.5 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 32 | 9.1 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.86

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 23.1 | 22.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 22.7 | 21.1 | 20.4 | 20.1 | 20.0 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 21.0 | 19.8 | 19.3 | 19.1 | 19.1 | 19.1 | 19.2 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 20.1 | 18.7 | 18.3 | 18.2 | 18.2 | 18.3 | 18.5 | 18.6 | 18.8 |
| 14 | 0. | 0. | 0. | 0. | 0. | 20.3 | 17.9 | 17.3 | 17.2 | 17.3 | 17.5 | 17.7 | 17.9 | 18.1 | 18.3 | 18.6 |
| 15 | 0. | 0. | 0. | 0. | 17.7 | 16.5 | 16.3 | 16.3 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 | 17.9 | 18.2 | 18.4 |
| 16 | 0. | 0. | 26.3 | 16.0 | 15.3 | 15.3 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 |
| 17 | 0. | 24.0 | 14.7 | 14.2 | 14.4 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 18 | 0. | 13.5 | 13.2 | 13.5 | 13.9 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 |
| 19 | 12.4 | 12.1 | 12.5 | 13.1 | 13.6 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 |
| 20 | 11.0 | 11.5 | 12.1 | 12.8 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.5 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 21 | 10.3 | 11.1 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 |
| 22 | 10.0 | 10.9 | 11.7 | 12.5 | 13.2 | 13.9 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 |
| 23 | 9.8 | 10.7 | 11.6 | 12.4 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 15.9 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 |
| 24 | 9.6 | 10.6 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 |
| 25 | 9.5 | 10.5 | 11.5 | 12.3 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 |
| 26 | 9.4 | 10.5 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 |
| 27 | 9.3 | 10.4 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 28 | 9.3 | 10.4 | 11.3 | 12.2 | 13.0 | 13.6 | 14.3 | 14.8 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 29 | 9.2 | 10.3 | 11.3 | 12.2 | 12.9 | 13.6 | 14.3 | 14.8 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 30 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.3 | 14.8 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 31 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 32 | 9.2 | 10.3 | 11.2 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

### YARN BULK DENSITY =0.87

### PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 | 23.7 | 22.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 23.3 | 21.5 | 20.7 | 20.3 | 20.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 21.5 | 20.1 | 19.5 | 19.3 | 19.2 | 19.3 | 19.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 39.2 | 20.7 | 19.0 | 18.5 | 18.3 | 18.4 | 18.5 | 18.6 | 18.8 | 18.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 21.3 | 18.2 | 17.6 | 17.4 | 17.5 | 17.6 | 17.8 | 18.0 | 18.2 | 18.5 | 18.7 |
| 15 | 0. | 0. | 0. | 0. | 18.2 | 16.7 | 16.4 | 16.5 | 16.7 | 16.9 | 17.2 | 17.5 | 17.8 | 18.0 | 18.3 | 18.5 |
| 16 | 0. | 0. | 0. | 16.4 | 15.5 | 15.5 | 15.7 | 16.0 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 |
| 17 | 0. | 0. | 15.0 | 14.4 | 14.6 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 |
| 18 | 0. | 13.8 | 13.4 | 13.6 | 14.0 | 14.5 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 |
| 19 | 12.8 | 12.3 | 12.6 | 13.2 | 13.7 | 14.3 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 20 | 11.2 | 11.6 | 12.2 | 12.9 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.6 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 21 | 10.5 | 11.2 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 22 | 10.1 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 23 | 9.8 | 10.8 | 11.7 | 12.5 | 13.2 | 13.9 | 14.5 | 15.0 | 15.6 | 16.0 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 |
| 24 | 9.7 | 10.7 | 11.6 | 12.4 | 13.2 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 |
| 25 | 9.6 | 10.6 | 11.5 | 12.4 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 |
| 26 | 9.5 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 |
| 27 | 9.4 | 10.5 | 11.4 | 12.3 | 13.1 | 13.7 | 14.4 | 14.9 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 28 | 9.3 | 10.4 | 11.4 | 12.3 | 13.0 | 13.7 | 14.4 | 14.9 | 15.5 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 29 | 9.3 | 10.4 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.5 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 30 | 9.3 | 10.4 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 31 | 9.2 | 10.4 | 11.3 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 32 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |

YARN BULK DENSITY =0.88

PLAIN WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 24.2 | 22.7 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.0 | 24.0 | 21.8 | 21.0 | 20.6 | 20.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.3 | 22.1 | 20.4 | 19.8 | 19.5 | 19.4 | 19.4 | 19.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.3 | 19.3 | 18.7 | 18.5 | 18.5 | 18.6 | 18.7 | 18.9 | 19.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 22.5 | 18.6 | 17.8 | 17.6 | 17.6 | 17.7 | 17.9 | 18.1 | 18.4 | 18.6 | 18.8 |
| 15 | 0. | 0. | 0. | 0. | 18.8 | 17.0 | 16.6 | 16.7 | 16.8 | 17.1 | 17.3 | 17.6 | 17.9 | 18.1 | 18.4 | 18.7 |
| 16 | 0. | 0. | 0. | 16.8 | 15.7 | 15.6 | 15.8 | 16.1 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 |
| 17 | 0. | 0. | 15.4 | 14.6 | 14.7 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 |
| 18 | 0. | 14.2 | 13.6 | 13.8 | 14.2 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 |
| 19 | 13.2 | 12.5 | 12.8 | 13.3 | 13.8 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 |
| 20 | 11.3 | 11.7 | 12.4 | 13.0 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.7 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 21 | 10.6 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.4 |
| 22 | 10.2 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.2 | 15.7 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 23 | 9.9 | 10.9 | 11.8 | 12.6 | 13.3 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 |
| 24 | 9.8 | 10.8 | 11.7 | 12.5 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 25 | 9.6 | 10.7 | 11.6 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 26 | 9.5 | 10.6 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 27 | 9.5 | 10.5 | 11.5 | 12.4 | 13.1 | 13.8 | 14.5 | 15.0 | 15.6 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 28 | 9.4 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.6 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 29 | 9.4 | 10.5 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 30 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 31 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 32 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.89

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 24.9 | 23.0 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 22.2 | 21.2 | 20.8 | 20.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.0 | 22.8 | 20.7 | 20.0 | 19.7 | 19.6 | 19.6 | 19.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.0 | 19.7 | 19.0 | 18.7 | 18.7 | 18.8 | 18.9 | 19.0 | 19.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 24.1 | 19.0 | 18.0 | 17.8 | 17.8 | 17.9 | 16.1 | 18.3 | 18.5 | 18.7 | 18.9 |
| 15 | 0. | 0. | 0. | 0. | 19.5 | 17.3 | 16.8 | 16.8 | 17.0 | 17.2 | 17.5 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 |
| 16 | 0. | 0. | 0. | 17.3 | 16.0 | 15.8 | 16.0 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 |
| 17 | 0. | 0. | 15.8 | 14.8 | 14.9 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 |
| 18 | 0. | 14.6 | 13.7 | 13.9 | 14.3 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.3 | 18.5 |
| 19 | 13.7 | 12.6 | 12.9 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 |
| 20 | 11.5 | 11.9 | 12.5 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 |
| 21 | 10.7 | 11.4 | 12.2 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 22 | 10.3 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.3 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 |
| 23 | 10.0 | 11.0 | 11.9 | 12.7 | 13.4 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 | 18.4 |
| 24 | 9.8 | 10.8 | 11.8 | 12.6 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 25 | 9.7 | 10.7 | 11.7 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 26 | 9.6 | 10.7 | 11.6 | 12.5 | 13.2 | 13.9 | 14.6 | 15.1 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 27 | 9.5 | 10.6 | 11.6 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.7 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 28 | 9.5 | 10.6 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 29 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 30 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 31 | 9.4 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 32 | 9.3 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.90

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.3 | 25.6 | 23.4 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 22.7 | 21.5 | 21.0 | 20.3 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 21.1 | 20.3 | 19.9 | 19.8 | 19.8 | 19.8 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.9 | 20.0 | 19.2 | 18.9 | 18.9 | 18.9 | 19.0 | 19.2 | 19.3 |
| 14 | 0. | 0. | 0. | 0. | 0. | 26.7 | 19.4 | 18.3 | 18.0 | 17.9 | 18.0 | 18.2 | 18.4 | 18.6 | 18.8 | 19.1 |
| 15 | 0. | 0. | 0. | 0. | 20.4 | 17.6 | 17.0 | 17.0 | 17.1 | 17.3 | 17.6 | 17.8 | 18.1 | 18.4 | 18.6 | 18.9 |
| 16 | 0. | 0. | 0. | 17.9 | 16.2 | 16.0 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 17 | 0. | 0. | 16.3 | 15.1 | 15.0 | 15.3 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 |
| 18 | 0. | 15.1 | 13.9 | 14.0 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 |
| 19 | 14.3 | 12.8 | 13.0 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 |
| 20 | 11.7 | 12.0 | 12.6 | 13.2 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 | 18.6 |
| 21 | 10.8 | 11.5 | 12.3 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 22 | 10.4 | 11.2 | 12.1 | 12.8 | 13.6 | 14.2 | 14.8 | 15.4 | 15.9 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 |
| 23 | 10.1 | 11.1 | 11.9 | 12.7 | 13.5 | 14.1 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 |
| 24 | 9.9 | 10.9 | 11.8 | 12.7 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 25 | 9.8 | 10.8 | 11.8 | 12.6 | 13.4 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 26 | 9.7 | 10.7 | 11.7 | 12.6 | 13.3 | 14.0 | 14.7 | 15.2 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 27 | 9.6 | 10.7 | 11.6 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 28 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 29 | 9.5 | 10.6 | 11.6 | 12.5 | 13.2 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 30 | 9.4 | 10.6 | 11.6 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 31 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 32 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.91

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.8 | 26.4 | 23.9 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 23.2 | 21.9 | 21.3 | 21.0 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.4 | 21.5 | 20.5 | 20.1 | 19.9 | 19.9 | 20.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.0 | 20.4 | 19.4 | 19.1 | 19.0 | 19.1 | 19.2 | 19.3 | 19.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 31.7 | 19.9 | 18.5 | 18.2 | 18.1 | 18.2 | 18.3 | 18.5 | 18.7 | 19.0 | 19.2 |
| 15 | 0. | 0. | 0. | 0. | 21.5 | 17.9 | 17.2 | 17.1 | 17.3 | 17.5 | 17.7 | 18.0 | 18.2 | 18.5 | 18.8 | 19.0 |
| 16 | 0. | 0. | 0. | 18.6 | 16.5 | 16.2 | 16.3 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 |
| 17 | 0. | 0. | 16.9 | 15.3 | 15.2 | 15.4 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 18 | 0. | 15.7 | 14.2 | 14.2 | 14.5 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 |
| 19 | 15.1 | 13.1 | 13.2 | 13.6 | 14.2 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 |
| 20 | 11.9 | 12.1 | 12.7 | 13.3 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 |
| 21 | 11.0 | 11.6 | 12.4 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 22 | 10.5 | 11.3 | 12.2 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 | 18.7 |
| 23 | 10.2 | 11.1 | 12.0 | 12.8 | 13.6 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.3 | 17.6 | 18.0 | 18.3 | 18.6 |
| 24 | 10.0 | 11.0 | 11.9 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 25 | 9.8 | 10.9 | 11.8 | 12.7 | 13.4 | 14.1 | 14.8 | 15.3 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 26 | 9.7 | 10.8 | 11.8 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 27 | 9.7 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 28 | 9.6 | 10.7 | 11.7 | 12.6 | 13.3 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 29 | 9.5 | 10.7 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 30 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 31 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 32 | 9.4 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.92

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 | 24.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 23.7 | 22.2 | 21.5 | 21.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 21.9 | 20.8 | 20.3 | 20.1 | 20.1 | 20.1 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 20.8 | 19.7 | 19.3 | 19.2 | 19.2 | 19.3 | 19.4 | 19.6 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 20.4 | 18.8 | 18.4 | 18.3 | 18.3 | 18.5 | 18.7 | 18.9 | 19.1 | 19.3 |
| 15 | 0. | 0. | 0. | 0. | 22.9 | 18.3 | 17.5 | 17.3 | 17.4 | 17.6 | 17.8 | 18.1 | 18.4 | 18.6 | 18.9 | 19.1 |
| 16 | 0. | 0. | 0. | 19.4 | 16.8 | 16.4 | 16.4 | 16.6 | 16.9 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 |
| 17 | 0. | 0. | 17.5 | 15.5 | 15.3 | 15.5 | 15.9 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 |
| 18 | 0. | 16.4 | 14.4 | 14.3 | 14.7 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 |
| 19 | 16.1 | 13.3 | 13.3 | 13.8 | 14.3 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 |
| 20 | 12.2 | 12.3 | 12.8 | 13.4 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 |
| 21 | 11.1 | 11.7 | 12.5 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 22 | 10.6 | 11.4 | 12.3 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.8 |
| 23 | 10.3 | 11.2 | 12.1 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 |
| 24 | 10.1 | 11.1 | 12.0 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 25 | 9.9 | 11.0 | 11.9 | 12.8 | 13.5 | 14.2 | 14.8 | 15.4 | 16.0 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 26 | 9.8 | 10.9 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 27 | 9.7 | 10.8 | 11.8 | 12.7 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 28 | 9.7 | 10.8 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 29 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 30 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 31 | 9.5 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 32 | 9.5 | 10.6 | 11.7 | 12.5 | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.93

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.4 | 24.8 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 24.2 | 22.5 | 21.8 | 21.4 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.8 | 22.4 | 21.1 | 20.5 | 20.3 | 20.3 | 20.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.2 | 21.3 | 20.0 | 19.5 | 19.4 | 19.4 | 19.5 | 19.6 | 19.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 21.0 | 19.1 | 18.6 | 18.4 | 18.5 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 |
| 15 | 0. | 0. | 0. | 0. | 25.0 | 18.6 | 17.7 | 17.5 | 17.6 | 17.7 | 18.0 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 |
| 16 | 0. | 0. | 0. | 20.4 | 17.1 | 16.5 | 16.6 | 16.8 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 |
| 17 | 0. | 0. | 18.4 | 15.8 | 15.5 | 15.7 | 16.0 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.5 | 18.8 | 19.0 |
| 18 | 0. | 17.2 | 14.6 | 14.5 | 14.8 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 |
| 19 | 17.6 | 13.5 | 13.5 | 13.9 | 14.4 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 |
| 20 | 12.4 | 12.4 | 12.9 | 13.5 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 |
| 21 | 11.3 | 11.9 | 12.6 | 13.3 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 22 | 10.7 | 11.5 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.9 |
| 23 | 10.4 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 |
| 24 | 10.1 | 11.1 | 12.1 | 12.9 | 13.7 | 14.3 | 15.0 | 15.5 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 25 | 10.0 | 11.0 | 12.0 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 26 | 9.9 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 27 | 9.8 | 10.9 | 11.9 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 28 | 9.7 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 29 | 9.7 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 30 | 9.6 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 31 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 32 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.94

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 25.4 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.9 | 24.9 | 22.9 | 22.0 | 21.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 22.9 | [illegible] | 20.8 | 20.5 | 20.4 | 20.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 21.8 | 20.3 | 19.7 | 19.5 | 19.5 | 19.6 | 19.7 | 19.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 21.7 | 19.4 | 18.8 | 18.6 | 18.6 | 18.8 | 18.9 | 19.1 | 19.3 | 19.6 |
| 15 | 0. | 0. | 0. | 0. | 28.8 | 19.0 | 17.9 | 17.7 | 17.7 | 17.9 | 18.1 | 18.3 | 18.6 | 18.9 | 19.1 | 19.4 |
| 16 | 0. | 0. | 0. | 21.8 | 17.4 | 16.7 | 16.7 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 19.0 | 19.2 |
| 17 | 0. | 0. | 19.4 | 16.0 | 15.7 | 15.8 | 16.1 | 16.5 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.6 | 18.9 | 19.1 |
| 18 | 0. | 18.4 | 14.9 | 14.7 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 |
| 19 | 20.3 | 13.8 | 13.6 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 |
| 20 | 12.7 | 12.6 | 13.0 | 13.6 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 |
| 21 | 11.4 | 12.0 | 12.7 | 13.4 | 14.0 | 14.7 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 |
| 22 | 10.8 | 11.6 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 19.0 |
| 23 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 24 | 10.2 | 11.2 | 12.1 | 13.0 | 13.7 | 14.4 | 15.1 | 15.6 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 25 | 10.1 | 11.1 | 12.1 | 12.9 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 26 | 9.9 | 11.0 | 12.0 | 12.9 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 27 | 9.8 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 28 | 9.8 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 29 | 9.7 | 10.9 | 11.9 | 12.7 | 13.5 | 14.3 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 30 | 9.7 | 10.8 | 11.8 | 12.7 | 13.5 | 14.3 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 31 | 9.6 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 32 | 9.6 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.00

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 25.7 | 23.9 | 23.0 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 23.6 | 22.3 | 21.8 | 21.5 | 21.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 22.4 | 21.2 | 20.7 | 20.5 | 20.5 | 20.6 | 20.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 32.7 | 21.8 | 20.2 | 19.7 | 19.6 | 19.6 | 19.7 | 19.9 | 20.1 | 20.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 22.9 | 19.6 | 18.8 | 18.7 | 18.7 | 18.9 | 19.1 | 19.3 | 19.6 | 19.8 | 20.0 |
| 16 | 0. | 0. | 0. | 0. | 20.0 | 18.1 | 17.7 | 17.8 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 | 19.6 | 19.9 |
| 17 | 0. | 0. | 0. | 18.2 | 16.9 | 16.7 | 16.9 | 17.2 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 18 | 0. | 0. | 16.9 | 15.8 | 15.8 | 16.0 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 |
| 19 | 0. | 15.8 | 14.7 | 14.8 | 15.2 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 |
| 20 | 15.3 | 13.6 | 13.8 | 14.3 | 14.8 | 15.4 | 15.9 | 16.5 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 |
| 21 | 12.5 | 12.7 | 13.3 | 13.9 | 14.6 | 15.2 | 15.8 | 16.3 | 16.9 | 17.3 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 |
| 22 | 11.5 | 12.2 | 13.0 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 |
| 23 | 11.0 | 11.9 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 |
| 24 | 10.7 | 11.7 | [illegible] | 13.5 | 14.2 | 14.9 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 |
| 25 | 10.5 | 11.5 | 12.5 | 13.4 | 14.2 | 14.9 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 |
| 26 | 10.3 | 11.4 | 12.4 | 13.3 | 14.1 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.6 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 |
| 27 | 10.2 | 11.3 | 12.4 | 13.2 | 14.1 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 28 | 10.1 | 11.3 | 12.3 | 13.2 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 29 | 10.1 | 11.2 | 12.3 | 13.2 | 14.0 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 30 | 10.0 | 11.2 | 12.2 | 13.1 | 14.0 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 31 | 10.0 | 11.2 | 12.2 | 13.1 | 14.0 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 32 | 9.9 | 11.1 | 12.2 | 13.1 | 13.9 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.36

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1,9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 24.6 | 23.6 | 23.2 | 23.2 | 23.2 | 23.4 | 23.6 | 23.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 25.0 | 22.9 | 22.4 | 22.2 | 22.3 | 22.5 | 22.7 | 23.0 | 23.2 | 23.5 |
| 18 | 0. | 0. | 0. | 0. | 38.4 | 23.1 | 21.6 | 21.3 | 21.3 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 19 | 0. | 0. | 0. | 36.0 | 21.7 | 20.5 | 20.3 | 20.5 | 20.7 | 21.1 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.2 |
| 20 | 0. | 0. | 0. | 20.5 | 19.4 | 19.4 | 19.6 | 20.0 | 20.4 | 20.8 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.1 |
| 21 | 0. | 0. | 19.6 | 18.4 | 18.4 | 18.7 | 19.2 | 19.6 | 20.1 | 20.6 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 23.0 |
| 22 | 0. | 19.2 | 17.3 | 17.4 | 17.8 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 |
| 23 | 20.9 | 16.3 | 16.3 | 16.8 | 17.4 | 18.0 | 18.6 | 19.2 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.9 |
| 24 | 15.4 | 15.1 | 15.7 | 16.4 | 17.1 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.8 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 |
| 25 | 13.9 | 14.5 | 15.3 | 16.1 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 22.1 | 22.5 | 22.8 |
| 26 | 13.2 | 14.1 | 15.0 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.6 | 20.1 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.8 |
| 27 | 12.8 | 13.8 | 14.9 | 15.8 | 16.7 | 17.5 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 |
| 28 | 12.5 | 13.6 | 14.7 | 15.7 | 16.6 | 17.4 | 18.1 | 18.8 | 19.5 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 |
| 29 | 12.3 | 13.5 | 14.6 | 15.6 | 16.5 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.4 | 22.8 |
| 30 | 12.1 | 13.4 | 14.5 | 15.5 | 16.5 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.4 | 22.8 |
| 31 | 12.0 | 13.3 | 14.4 | 15.5 | 16.4 | 17.3 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 |
| 32 | 11.9 | 13.2 | 14.4 | 15.4 | 16.4 | 17.2 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.7 |
| 33 | 11.8 | 13.1 | 14.3 | 15.4 | 16.3 | 17.2 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 |
| 34 | 11.7 | 13.1 | 14.3 | 15.4 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 |
| 35 | 11.7 | 13.1 | 14.3 | 15.3 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 36 | 11.6 | 13.0 | 14.2 | 15.3 | 16.3 | 17.1 | 17.9 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 37 | 11.6 | 13.0 | 14.2 | 15.3 | 16.3 | 17.1 | 17.9 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 38 | 11.6 | 13.0 | 14.2 | 15.3 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 39 | 11.6 | 12.9 | 14.2 | 15.3 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 40 | 11.5 | 12.9 | 14.2 | 15.2 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.77

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 63.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0 | | 0. | 50.0 | 36.1 | 33.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | | [illegible]5.1 | 31.8 | 30.5 | 29.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36. | | [illegible]9.6 | 28.9 | 28.6 | 28.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 31.5 | 29.0 | | 27.7 | 27.5 | 27.6 | 27.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.8 | 29.0 | 27.4 | 26.8 | 26.7 | 26.7 | 26.8 | 27.0 | 27.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 32.0 | 27.3 | 26.1 | 25.8 | 25.7 | 25.9 | 26.1 | 26.3 | 26.6 | 26.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 30.0 | 25.9 | 25.0 | 24.[illegible] | 24.9 | 25.1 | 25.4 | 25.7 | 26.0 | 26.3 | 26.7 |
| 21 | 0. | 0. | 0. | 0. | 28.9 | 24.8 | 23.9 | 23.8 | 24.0 | 24.3 | 24.7 | 25.0 | 25.4 | 25.8 | 26.2 | 26.5 |
| 22 | 0. | 0. | 0. | 29.2 | 23.7 | 22.9 | 22.9 | 23.2 | 23.5 | 23.9 | 24.4 | 24.8 | 25.2 | 25.6 | 26.0 | 26.4 |
| 23 | 0. | 0. | 34.6 | 22.8 | 21.9 | 21.9 | 22.3 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 25.1 | 25.5 | 25.9 | 26.3 |
| 24 | 0. | 0. | 22.2 | 20.9 | 20.9 | 21.3 | 21.8 | 22.4 | 22.9 | 23.5 | 24.0 | 24.5 | 25.0 | 25.4 | 25.8 | 26.2 |
| 25 | 0. | 22.5 | 19.9 | 19.9 | 20.3 | 20.9 | 21.5 | 22.2 | 22.8 | 23.3 | 23.9 | 24.4 | 24.9 | 25.3 | 25.8 | 26.2 |
| 26 | 31.5 | 19.0 | 18.8 | 19.3 | 19.9 | 20.6 | 21.3 | 22.0 | 22.6 | 23.2 | 23.8 | 24.3 | 24.8 | 25.3 | 25.7 | 26.1 |
| 27 | 18.6 | 17.6 | 18.1 | 18.8 | 19.6 | 20.4 | 21.1 | 21.8 | 22.5 | 23.1 | 23.7 | 24.2 | 24.8 | 25.2 | 25.7 | 26.1 |
| 28 | 16.5 | 16.8 | 17.6 | 18.5 | 19.4 | 20.2 | 21.0 | 21.7 | 22.4 | 23.1 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.1 |
| 29 | 15.5 | 16.3 | 17.3 | 18.3 | 19.2 | 20.1 | 20.9 | 21.7 | 22.4 | 23.0 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 |
| 30 | 14.9 | 16.0 | 17.1 | 18.1 | 19.1 | 20.0 | 20.8 | 21.6 | 22.3 | 22.9 | 23.6 | 24.1 | 24.6 | 25.1 | 25.6 | 26.0 |
| 31 | 14.5 | 15.7 | 16.9 | 18.0 | 19.0 | 19.9 | 20.8 | 21.5 | 22.2 | 22.9 | 23.5 | 24.1 | 24.6 | 25.1 | 25.6 | 26.0 |
| 32 | 14.2 | 15.5 | 16.8 | 17.9 | 18.9 | 19.8 | 20.7 | 21.5 | 22.2 | 22.9 | 23.5 | 24.1 | 24.6 | 25.1 | 25.6 | 26.0 |
| 33 | 14.0 | 15.4 | 16.7 | 17.8 | 18.8 | 19.8 | 20.7 | 21.4 | 22.2 | 22.9 | 23.5 | 24.0 | 24.6 | 25.1 | 25.5 | 26.0 |
| 34 | 13.8 | 15.3 | 16.5 | 17.7 | 18.8 | 19.7 | 20.6 | 21.4 | 22.2 | 22.8 | 23.5 | 24.0 | 24.6 | 25.1 | 25.5 | 26.0 |
| 35 | 13.7 | 15.2 | 16.5 | 17.7 | 18.7 | 19.7 | 20.6 | 21.4 | 22.1 | 22.8 | 23.4 | 24.0 | 24.6 | 25.1 | 25.5 | 26.0 |
| 36 | 13.6 | 15.1 | 16.4 | 17.6 | 18.7 | 19.7 | 20.6 | 21.4 | 22.1 | 22.8 | 23.4 | 24.0 | 24.5 | 25.0 | 25.5 | 26.0 |
| 37 | 13.5 | 15.0 | 16.4 | 17.6 | 18.7 | 19.6 | 20.5 | 21.3 | 22.1 | 22.8 | 23.4 | 24.0 | 24.5 | 25.0 | 25.5 | 26.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.00

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.1 | 37.2 | 34.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.3 | 36.7 | 33.6 | 32.2 | 31.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.4 | 33.2 | 31.5 | 30.7 | 30.4 | 30.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 34.0 | 31.0 | 30.0 | 29.5 | 29.4 | 29.4 | 29.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.1 | 31.6 | 29.5 | 28.7 | 28.5 | 28.5 | 28.6 | 28.7 | 29.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 37.6 | 29.8 | 28.2 | 27.6 | 27.5 | 27.6 | 27.8 | 28.1 | 28.3 | 28.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 35.9 | 28.4 | 27.0 | 26.6 | 26.6 | 26.8 | 27.1 | 27.4 | 27.7 | 28.1 | 28.4 |
| 22 | 0. | 0. | 0. | 0. | 36.6 | 27.3 | 25.9 | 25.7 | 25.7 | 26.0 | 26.3 | 26.7 | 27.1 | 27.5 | 27.9 | 28.2 |
| 23 | 0. | 0. | 0. | 49.5 | 26.4 | 24.9 | 24.7 | 24.8 | 25.2 | 25.6 | 26.0 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 |
| 24 | 0. | 0. | 0. | 25.9 | 23.9 | 23.7 | 23.9 | 24.3 | 24.8 | 25.3 | 25.8 | 26.2 | 26.7 | 27.2 | 27.6 | 28.0 |
| 25 | 0. | 0. | 26.3 | 23.0 | 22.7 | 22.9 | 23.4 | 23.9 | 24.5 | 25.1 | 25.6 | 26.1 | 26.6 | 27.1 | 27.5 | 27.9 |
| 26 | 0. | 32.5 | 22.2 | 21.6 | 21.9 | 22.4 | 23.1 | 23.7 | 24.3 | 24.9 | 25.4 | 26.0 | 26.5 | 27.0 | 27.4 | 27.9 |
| 27 | 0. | 21.9 | 20.6 | 20.8 | 21.4 | 22.1 | 22.8 | 23.5 | 24.1 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.4 | 27.8 |
| 28 | 23.9 | 19.6 | 19.7 | 20.3 | 21.1 | 21.8 | 22.6 | 23.3 | 24.0 | 24.6 | 25.2 | 25.8 | 26.4 | 26.9 | 27.3 | 27.8 |
| 29 | 18.9 | 18.5 | 19.1 | 19.9 | 20.8 | 21.6 | 22.4 | 23.2 | 23.9 | 24.6 | 25.2 | 25.8 | 26.3 | 26.8 | 27.3 | 27.7 |
| 30 | 17.2 | 17.8 | 18.7 | 19.6 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.5 | 25.1 | 25.7 | 26.3 | 26.8 | 27.3 | 27.7 |
| 31 | 16.4 | 17.3 | 18.4 | 19.4 | 20.4 | 21.3 | 22.2 | 23.0 | 23.7 | 24.4 | 25.1 | 25.7 | 26.2 | 26.7 | 27.2 | 27.7 |
| 32 | 15.8 | 17.0 | 18.1 | 19.3 | 20.3 | 21.2 | 22.1 | 22.9 | 23.7 | 24.4 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.7 |
| 33 | 15.4 | 16.7 | 18.0 | 19.1 | 20.2 | 21.2 | 22.1 | 22.9 | 23.6 | 24.4 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.6 |
| 34 | 15.1 | 16.5 | 17.8 | 19.0 | 20.1 | 21.1 | 22.0 | 22.8 | 23.6 | 24.3 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.6 |
| 35 | 14.9 | 16.4 | 17.7 | 18.9 | 20.0 | 21.0 | 22.0 | 22.8 | 23.6 | 24.3 | 25.0 | 25.6 | 26.1 | 26.7 | 27.2 | 27.6 |
| 36 | 14.7 | 16.2 | 17.6 | 18.9 | 20.0 | 21.0 | 21.9 | 22.8 | 23.6 | 24.3 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.6 |
| 37 | 14.6 | 16.1 | 17.5 | 18.8 | 19.9 | 21.0 | 21.9 | 22.7 | 23.5 | 24.2 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.6 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.36

PLAIN WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.0 | 39.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.9 | 38.6 | 36.2 | 35.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.9 | 39.5 | 35.8 | 34.4 | 33.7 | 33.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 36.3 | 33.9 | 32.9 | 32.5 | 32.4 | 32.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.4 | 34.2 | 32.4 | 31.8 | 31.5 | 31.5 | 31.6 | 31.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.7 | 32.6 | 31.2 | 30.7 | 30.6 | 30.6 | 30.8 | 31.1 | 31.3 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 36.2 | 31.3 | 30.1 | 29.7 | 29.7 | 29.8 | 30.1 | 30.4 | 30.7 | 31.0 |
| 23 | 0. | 0. | 0. | 0. | 0. | 35.7 | 30.2 | 29.0 | 28.7 | 28.8 | 29.0 | 29.3 | 29.7 | 30.1 | 30.4 | 30.8 |
| 24 | 0. | 0. | 0. | 0. | 37.2 | 29.3 | 28.0 | 27.8 | 27.9 | 28.2 | 28.6 | 29.0 | 29.4 | 29.8 | 30.2 | 30.6 |
| 25 | 0. | 0. | 0. | 51.1 | 28.7 | 27.0 | 26.8 | 27.0 | 27.3 | 27.8 | 28.2 | 28.7 | 29.2 | 29.6 | 30.1 | 30.5 |
| 26 | 0. | 0. | 0. | 28.5 | 26.1 | 25.8 | 26.0 | 26.4 | 26.9 | 27.5 | 28.0 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 |
| 27 | 0. | 0. | 30.0 | 25.3 | 24.8 | 25.0 | 25.5 | 26.1 | 26.7 | 27.2 | 27.8 | 28.4 | 28.9 | 29.4 | 29.9 | 30.3 |
| 28 | 0. | 0. | 24.7 | 23.8 | 24.0 | 24.5 | 25.1 | 25.8 | 26.4 | 27.1 | 27.7 | 28.2 | 28.8 | 29.3 | 29.8 | 30.3 |
| 29 | 0. | 25.2 | 22.8 | 22.9 | 23.4 | 24.1 | 24.8 | 25.6 | 26.3 | 26.9 | 27.6 | 28.2 | 28.7 | 29.2 | 29.7 | 30.2 |
| 30 | 38.3 | 22.0 | 21.7 | 22.2 | 23.0 | 23.8 | 24.6 | 25.4 | 26.1 | 26.8 | 27.5 | 28.1 | 28.6 | 29.2 | 29.7 | 30.2 |
| 31 | 22.1 | 20.5 | 21.0 | 21.8 | 22.7 | 23.6 | 24.4 | 25.2 | 26.0 | 26.7 | 27.4 | 28.0 | 28.6 | 29.1 | 29.7 | 30.1 |
| 32 | 19.5 | 19.7 | 20.5 | 21.5 | 22.5 | 23.4 | 24.3 | 25.1 | 25.9 | 26.6 | 27.3 | 28.0 | 28.5 | 29.1 | 29.6 | 30.1 |
| 33 | 18.3 | 19.1 | 20.1 | 21.2 | 22.3 | 23.3 | 24.2 | 25.0 | 25.8 | 26.6 | 27.3 | 27.9 | 28.5 | 29.1 | 29.6 | 30.1 |
| 34 | 17.6 | 18.7 | 19.9 | 21.0 | 22.1 | 23.2 | 24.1 | 25.0 | 25.8 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.6 | 30.1 |
| 35 | 17.0 | 18.4 | 19.7 | 20.9 | 22.0 | 23.1 | 24.0 | 24.9 | 25.7 | 26.5 | 27.2 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 36 | 16.7 | 18.1 | 19.5 | 20.8 | 21.9 | 23.0 | 24.0 | 24.9 | 25.7 | 26.4 | 27.2 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 37 | 16.4 | 17.9 | 19.4 | 20.7 | 21.8 | 22.9 | 23.9 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 38 | 16.2 | 17.8 | 19.2 | 20.6 | 21.8 | 22.9 | 23.9 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 39 | 16.0 | 17.7 | 19.1 | 20.5 | 21.7 | 22.8 | 23.8 | 24.7 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.50

PLAIN WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.5 | 44.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.4 | 39.8 | 37.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.8 | 40.0 | 37.1 | 35.8 | 35.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.0 | 37.2 | 35.2 | 34.3 | 34.0 | 33.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.2 | 35.2 | 33.8 | 33.2 | 32.9 | 32.9 | 33.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 94.1 | 36.9 | 33.6 | 32.5 | 32.1 | 32.0 | 32.1 | 32.3 | 32.5 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 90.4 | 35.3 | 32.3 | 31.4 | 31.1 | 31.1 | 31.3 | 31.5 | 31.8 | 32.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 34.2 | 31.2 | 30.4 | 30.2 | 30.3 | 30.5 | 30.8 | 31.1 | 31.5 | 31.8 |
| 24 | 0. | 0. | 0. | 0. | 0. | 33.6 | 30.2 | 29.4 | 29.3 | 29.4 | 29.7 | 30.1 | 30.5 | 30.9 | 31.3 | 31.6 |
| 25 | 0. | 0. | 0. | 0. | 34.0 | 29.3 | 28.4 | 28.3 | 28.5 | 28.9 | 29.3 | 29.7 | 30.2 | 30.6 | 31.1 | 31.5 |
| 26 | 0. | 0. | 0. | 37.4 | 28.6 | 27.4 | 27.3 | 27.6 | 28.0 | 28.5 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.4 |
| 27 | 0. | 0. | 0. | 28.3 | 26.5 | 26.3 | 26.6 | 27.1 | 27.7 | 28.2 | 28.8 | 29.3 | 29.8 | 30.3 | 30.6 | 31.3 |
| 28 | 0. | 0. | 29.1 | 25.6 | 25.3 | 25.6 | 26.2 | 26.8 | 27.4 | 28.0 | 28.6 | 29.2 | 29.7 | 30.2 | 30.7 | 31.2 |
| 29 | 0. | 39.8 | 25.0 | 24.3 | 24.5 | 25.1 | 25.8 | 26.5 | 27.2 | 27.8 | 28.5 | 29.1 | 29.6 | 30.2 | 30.7 | 31.1 |
| 30 | 0. | 25.2 | 23.2 | 23.4 | 24.0 | 24.8 | 25.5 | 26.3 | 27.0 | 27.7 | 28.3 | 29.0 | 29.5 | 30.1 | 30.6 | 31.1 |
| 31 | 32.5 | 22.4 | 22.2 | 22.8 | 23.6 | 24.5 | 25.3 | 26.1 | 26.9 | 27.6 | 28.3 | 28.9 | 29.5 | 30.0 | 30.6 | 31.1 |
| 32 | 22.4 | 21.0 | 21.6 | 22.4 | 23.3 | 24.3 | 25.1 | 26.0 | 26.8 | 27.5 | 28.2 | 28.8 | 29.4 | 30.0 | 30.5 | 31.0 |
| 33 | 20.0 | 20.2 | 21.1 | 22.1 | 23.1 | 24.1 | 25.0 | 25.9 | 26.7 | 27.4 | 28.1 | 28.8 | 29.4 | 29.9 | 30.5 | 31.0 |
| 34 | 18.8 | 19.6 | 20.7 | 21.8 | 22.9 | 23.9 | 24.9 | 25.8 | 26.6 | 27.4 | 28.1 | 28.7 | 29.3 | 29.9 | 30.5 | 31.0 |
| 35 | 18.1 | 19.2 | 20.5 | 21.7 | 22.8 | 23.8 | 24.8 | 25.7 | 26.5 | 27.3 | 28.0 | 28.7 | 29.3 | 29.9 | 30.4 | 30.9 |
| 36 | 17.6 | 18.9 | 20.2 | 21.5 | 22.7 | 23.7 | 24.7 | 25.6 | 26.5 | 27.3 | 28.0 | 28.7 | 29.3 | 29.9 | 30.4 | 30.9 |
| 37 | 17.2 | 18.7 | 20.1 | 21.4 | 22.6 | 23.7 | 24.7 | 25.6 | 26.4 | 27.2 | 28.0 | 28.6 | 29.3 | 29.8 | 30.4 | 30.9 |
| 38 | 16.9 | 18.5 | 19.9 | 21.3 | 22.5 | 23.6 | 24.6 | 25.5 | 26.4 | 27.2 | 27.9 | 28.6 | 29.2 | 29.8 | 30.4 | 30.9 |
| 39 | 16.7 | 18.3 | 19.8 | 21.2 | 22.4 | 23.5 | 24.6 | 25.5 | 26.4 | 27.2 | 27.9 | 28.6 | 29.2 | 29.8 | 30.4 | 30.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.75

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.4 | 44.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.4 | 45.0 | 40.7 | 38.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.9 | 41.1 | 38.4 | 37.2 | 36.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.0 | 38.6 | 36.7 | 35.9 | 35.5 | 35.4 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.9 | 36.8 | 35.3 | 34.7 | 34.5 | 34.5 | 34.6 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | [illegible] | 0. | 38.9 | 35.4 | 34.2 | 33.7 | 33.6 | 33.7 | 33.9 | 34.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.5 | 34.1 | 33.1 | 32.7 | 32.7 | 32.9 | 33.1 | 33.4 | 33.7 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 36.7 | 33.1 | 32.0 | 31.8 | 31.8 | 32.1 | 32.4 | 32.7 | 33.1 | 33.4 |
| 25 | 0. | 0. | 0. | 0. | 0. | 36.7 | 32.1 | 31.1 | 30.8 | 31.0 | 31.2 | 31.6 | 32.0 | 32.4 | 32.8 | 33.2 |
| 26 | 0. | 0. | 0. | 0. | 38.4 | 31.4 | 30.1 | 29.9 | 30.1 | 30.4 | 30.8 | 31.3 | 31.7 | 32.2 | 32.6 | 33.1 |
| 27 | 0. | 0. | 0. | 53.2 | 30.9 | 29.2 | 28.9 | 29.1 | 29.5 | 30.0 | 30.5 | 31.0 | 31.5 | 32.0 | 32.5 | 32.9 |
| 28 | 0. | 0. | 0. | 31.1 | 28.3 | 27.9 | 28.1 | 28.6 | 29.1 | 29.7 | 30.2 | 30.8 | 31.3 | 31.9 | 32.4 | 32.8 |
| 29 | 0. | 0. | 34.2 | 27.6 | 26.9 | 27.1 | 27.6 | 28.2 | 28.8 | 29.4 | 30.1 | 30.6 | 31.2 | 31.8 | 32.3 | 32.8 |
| 30 | 0. | 0. | 27.4 | 25.9 | 26.0 | 26.5 | 27.2 | 27.9 | 28.6 | 29.3 | 29.9 | 30.5 | 31.1 | 31.7 | 32.2 | 32.7 |
| 31 | 0. | 29.2 | 25.1 | 24.9 | 25.4 | 26.1 | 26.9 | 27.6 | 28.4 | 29.1 | 29.8 | 30.4 | 31.0 | 31.6 | 32.1 | 32.6 |
| 32 | 0. | 24.6 | 23.8 | 24.2 | 25.0 | 25.8 | 26.6 | 27.5 | 28.2 | 29.0 | 29.7 | 30.3 | 30.9 | 31.5 | 32.1 | 32.6 |
| 33 | 26.5 | 22.7 | 22.9 | 23.7 | 24.6 | 25.6 | 26.5 | 27.3 | 28.1 | 28.9 | 29.6 | 30.3 | 30.9 | 31.5 | 32.0 | 32.5 |
| 34 | 22.2 | 21.6 | 22.4 | 23.4 | 24.4 | 25.4 | 26.3 | 27.2 | 28.0 | 28.8 | 29.5 | [illegible] | 30.8 | 31.4 | 32.0 | 32.5 |
| 35 | 20.4 | 20.9 | 22.0 | 23.1 | 24.2 | 25.2 | 26.2 | 27.1 | 27.9 | 28.7 | 29.5 | 30.2 | 30.8 | 31.4 | 32.0 | 32.5 |
| 36 | 19.4 | 20.4 | 21.6 | 22.8 | 24.0 | 25.1 | 26.1 | 27.0 | 27.9 | 28.7 | 29.4 | 30.1 | 30.8 | 31.4 | 31.9 | 32.5 |
| 37 | 18.8 | 20.1 | 21.4 | 22.7 | 23.6 | 25.0 | 26.0 | 26.9 | 27.8 | 28.6 | 29.4 | 30.1 | 30.7 | 31.3 | 31.9 | 32.4 |
| 38 | 18.3 | 19.8 | 21.2 | 22.5 | 23.7 | 24.9 | 25.9 | 26.9 | 27.8 | 28.6 | 29.3 | 30.0 | 30.7 | 31.3 | 31.9 | 32.4 |
| 39 | 18.0 | 19.5 | 21.0 | 22.4 | 23.6 | 24.8 | 25.9 | 26.8 | 27.7 | 28.5 | 29.3 | 30.0 | 30.7 | 31.3 | 31.9 | 32.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.95

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.3 | 47.5 | 43.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.5 | 43.2 | 40.5 | 39.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.6 | 40.6 | 38.8 | 37.9 | 37.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.5 | 42.4 | 38.8 | 37.3 | 36.7 | 36.4 | 36.4 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.0 | 40.3 | 37.3 | 36.1 | 35.7 | 35.5 | 35.6 | 35.7 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.0 | 38.8 | 36.0 | 35.0 | 34.7 | 34.6 | 34.7 | 35.0 | 35.2 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 60.6 | 37.7 | 34.9 | 34.0 | 33.7 | 33.8 | 33.9 | 34.2 | 34.5 | 34.9 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 37.0 | 33.9 | 33.0 | 32.8 | 32.9 | 33.1 | 33.5 | 33.8 | 34.2 | 34.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 37.0 | 33.0 | 32.0 | 31.8 | 32.0 | 32.3 | 32.7 | [illegible] | 33.5 | 34.0 | 34.4 |
| 27 | 0. | 0. | 0. | 0. | 38.7 | 32.3 | 31.1 | 30.9 | 31.1 | 31.4 | 31.9 | 32.4 | 32.8 | 33.3 | 33.8 | 34.2 |
| 28 | 0. | 0. | 0. | 51.4 | 31.9 | 30.1 | 29.9 | 30.1 | 30.5 | 31.0 | 31.6 | 32.1 | 32.6 | 33.1 | 33.6 | 34.1 |
| 29 | 0. | 0. | 0. | 32.2 | 29.3 | 28.9 | 29.1 | 29.6 | 30.2 | 30.7 | 31.3 | 31.9 | 32.5 | 33.0 | 33.5 | 34.0 |
| 30 | 0. | 0. | 35.9 | 28.7 | 27.9 | 28.1 | 28.6 | 29.2 | 29.8 | 30.5 | 31.1 | 31.7 | 32.3 | 32.9 | 33.4 | 33.9 |
| 31 | 0. | 0. | 28.6 | 26.9 | 27.0 | 27.5 | 28.2 | 28.9 | 29.6 | 30.3 | 31.0 | 31.6 | 32.2 | 32.8 | 33.3 | 33.9 |
| 32 | 0. | 31.3 | 25.1 | 25.9 | 26.4 | 27.1 | 27.9 | 28.7 | 29.4 | 30.2 | 30.9 | 31.5 | 32.1 | 32.7 | 33.3 | 33.8 |
| 33 | 0. | 25.9 | 24.8 | 25.2 | 25.9 | 26.8 | 27.6 | 28.5 | 29.3 | 30.0 | 30.8 | 31.4 | 32.1 | 32.7 | 33.2 | 33.8 |
| 34 | 29.1 | 23.8 | 23.9 | [illegible] | 25.6 | 26.5 | 27.4 | 28.3 | 29.1 | 29.9 | 30.7 | 31.4 | 32.0 | 32.6 | 33.2 | 33.7 |
| 35 | 23.5 | 22.6 | 23.3 | 24.3 | 25.3 | 26.3 | 27.3 | 28.2 | 29.0 | 29.8 | 30.6 | 31.3 | 32.0 | 32.6 | 33.1 | 33.7 |
| 36 | 21.5 | 21.8 | 22.8 | 24.0 | 25.1 | 26.1 | 27.1 | 28.1 | 29.0 | 29.8 | 30.5 | 31.2 | [illegible] | 32.5 | 33.1 | 33.7 |
| 37 | 20.4 | 21.3 | 22.5 | 23.7 | 24.9 | 26.0 | 27.0 | 28.0 | 28.9 | 29.7 | 30.5 | 31.2 | 31.9 | 32.5 | 33.1 | 33.6 |
| 38 | 19.6 | 20.9 | 22.2 | 23.5 | 24.8 | 25.9 | 26.9 | 27.9 | 28.8 | 29.7 | 30.4 | 31.2 | 31.8 | 32.5 | 33.1 | 33.6 |
| 39 | 19.1 | 20.6 | 22.0 | 23.4 | 24.6 | 25.8 | 26.9 | 27.9 | 28.8 | 29.6 | 30.4 | 31.1 | 31.8 | 32.4 | 33.0 | 33.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.25

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.3 | 48.6 | 44.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.7 | 45.0 | 42.3 | 41.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.7 | 42.6 | 40.7 | 39.7 | 39.3 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 79.5 | 44.9 | 40.8 | 39.3 | 38.6 | 38.3 | 38.2 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.6 | 42.9 | 39.4 | 38.1 | 37.5 | 37.4 | 37.4 | 37.5 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.4 | 41.6 | 38.2 | 37.0 | 36.5 | 36.5 | 36.6 | 36.8 | 37.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.8 | 37.1 | 36.0 | 35.6 | 35.6 | 35.7 | 36.0 | 36.3 | 36.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 40.6 | 36.2 | 35.0 | 34.6 | 34.7 | 34.9 | 35.2 | 35.6 | 36.0 | 36.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 41.8 | 35.4 | 34.0 | 33.7 | 33.8 | 34.1 | 34.4 | 34.8 | 35.3 | 35.7 | 36.2 |
| 28 | 0. | 0. | 0. | 0. | 48.1 | 35.0 | 33.1 | 32.7 | 32.9 | 33.2 | 33.6 | 34.1 | 34.5 | 35.0 | 35.5 | 36.0 |
| 29 | 0. | 0. | 0. | 0. | 35.1 | 32.3 | 31.8 | 31.9 | 32.3 | 32.7 | 33.2 | 33.8 | 34.3 | 34.8 | 35.4 | 35.8 |
| 30 | 0. | 0. | 0. | 37.2 | 31.7 | 30.8 | 30.9 | 31.3 | 31.8 | 32.4 | 33.0 | 33.6 | 34.1 | 34.7 | 35.2 | 35.7 |
| 31 | 0. | 0. | 71.3 | 31.5 | 29.9 | 29.8 | 30.3 | 30.8 | 31.5 | 32.1 | 32.8 | 33.4 | 34.0 | 34.6 | 35.1 | 35.6 |
| 32 | 0. | 0. | 32.6 | 29.1 | 28.8 | 29.2 | 29.8 | 30.5 | 31.2 | 31.9 | 32.6 | 33.3 | 33.9 | 34.5 | 35.0 | 35.6 |
| 33 | 0. | 51.1 | 28.7 | 27.7 | 28.0 | 28.7 | 29.4 | 30.2 | 31.0 | 31.7 | 32.5 | 33.1 | 33.8 | 34.4 | 35.0 | 35.5 |
| 34 | 0. | 29.7 | 26.8 | 26.8 | 27.5 | 28.3 | 29.2 | 30.0 | 30.8 | 31.6 | 32.3 | 33.0 | 33.7 | 34.3 | 34.9 | 35.5 |
| 35 | 0. | 26.2 | 25.6 | 26.2 | 27.1 | 28.0 | 28.9 | 29.8 | 30.7 | 31.5 | 32.2 | 33. | 33.6 | 34.3 | 34.9 | 35.4 |
| 36 | 27.9 | 24.5 | 24.9 | 25.7 | 26.7 | 27.8 | 28.7 | 29.7 | 30.6 | 31.4 | 32.2 | 32.9 | 33.6 | 34.2 | 34.8 | 35.4 |
| 37 | 24.0 | 23.5 | 24.3 | 25.4 | 26.5 | 27.6 | 28.6 | 29.6 | 30.5 | 31.3 | 32.1 | 32.8 | 33.5 | 34.2 | 34.8 | 35.3 |
| 38 | 22.3 | 22.8 | 23.9 | 25.1 | 26.3 | 27.4 | 28.5 | 29.5 | 30.4 | 31.2 | 32.0 | 32.8 | 33.5 | 34.1 | 34.7 | 35.3 |
| 39 | 21.2 | 22.3 | 23.6 | 24.9 | 26.1 | 27.3 | 28.4 | 29.4 | 30.3 | 31.2 | 32.0 | 32.7 | 33.4 | 34.1 | 34.7 | 35.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.54

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 94.0 | 53.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.7 | 49.1 | 45.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.5 | 46.1 | 43.8 | 42.6 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 108.9 | 48.8 | 44.1 | 42.2 | 41.3 | 40.9 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.6 | 46.5 | 42.5 | 40.9 | 40.2 | 39.9 | 39.9 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.3 | 44.9 | 41.1 | 39.7 | 39.2 | 39.0 | 39.0 | 39.2 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 99.0 | 43.8 | 40.0 | 38.7 | 38.2 | 38.1 | 38.2 | 38.4 | 38.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.3 | 39.0 | 37.7 | 37.2 | 37.2 | 37.4 | 37.6 | 37.9 | 38.3 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 43.7 | 38.2 | 36.7 | 36.3 | 36.3 | 36.5 | 36.8 | 37.2 | 37.6 | 38.0 |
| 28 | 0. | 0. | 0. | 0. | 0. | 46.4 | 37.6 | 35.8 | 35.4 | 35.4 | 35.6 | 36.0 | 36.4 | 36.9 | 37.3 | 37.8 |
| 29 | 0. | 0. | 0. | 0. | 67.9 | 37.4 | 35.0 | 34.4 | 34.4 | 34.7 | 35.2 | 35.6 | 36.1 | 36.6 | 37.1 | 37.6 |
| 30 | 0. | 0. | 0. | 0. | 38.3 | 34.3 | 33.5 | 33.5 | 33.8 | 34.3 | 34.8 | 35.3 | 35.9 | 36.4 | 36.9 | 37.4 |
| 31 | 0. | 0. | 0. | 43.2 | 33.9 | 32.6 | 32.5 | 32.8 | 33.3 | 33.9 | 34.5 | 35.1 | 35.7 | 36.3 | 36.8 | 37.3 |
| 32 | 0. | 0. | 0. | 34.2 | 31.7 | 31.5 | 31.8 | 32.3 | 33.0 | 33.6 | 34.3 | 34.9 | 35.5 | 36.1 | 36.7 | 37.2 |
| 33 | 0. | 0. | 37.5 | 31.1 | 30.4 | 30.7 | 31.3 | 31.9 | 32.7 | 33.4 | 34.1 | 34.8 | 35.4 | 36.0 | 36.6 | 37.2 |
| 34 | 0. | 0. | 31.2 | 29.5 | 29.6 | 30.1 | 30.9 | 31.6 | 32.4 | 33.2 | 33.9 | 34.6 | 35.3 | 35.9 | 36.5 | 37.1 |
| 35 | 0. | 34.8 | 28.7 | 28.4 | 28.9 | 29.7 | 30.6 | 31.4 | 32.2 | 33.0 | 33.8 | 34.5 | 35.2 | 35.9 | 36.5 | 37.0 |
| 36 | 0. | 28.8 | 27.3 | 27.7 | 28.5 | 29.4 | 30.3 | 31.2 | 32.1 | 32.9 | 33.7 | 34.4 | 35.1 | 35.8 | 36.4 | 37.0 |
| 37 | 35.7 | 26.5 | 26.4 | 27.1 | 28.1 | 29.1 | 30.1 | 31.1 | 32.0 | 32.8 | 33.6 | 34.4 | 35.1 | 35.7 | 36.4 | 36.9 |
| 38 | 26.9 | 25.1 | 25.7 | 26.7 | 27.8 | 28.9 | 29.9 | 30.9 | 31.8 | 32.7 | 33.5 | 34.3 | 35.0 | 35.7 | 36.3 | 36.9 |
| 39 | 24.3 | 24.2 | 25.2 | 26.4 | 27.6 | 28.7 | 29.8 | 30.8 | 31.8 | 32.6 | 33.5 | 34.2 | 35.0 | 35.6 | 36.3 | 36.9 |
| 40 | 22.8 | 23.6 | 24.8 | 26.1 | 27.4 | 28.6 | 29.7 | 30.7 | 31.7 | 32.6 | 33.4 | 34.2 | 34.9 | 35.6 | 36.3 | 36.9 |
| 41 | 21.9 | 23.1 | 24.5 | 25.9 | 27.2 | 28.4 | 29.6 | 30.6 | 31.6 | 32.5 | 33.4 | 34.2 | 34.9 | 35.6 | 36.2 | 36.8 |
| 42 | 21.3 | 22.8 | 24.3 | 25.7 | 27.1 | 28.3 | 29.5 | 30.6 | 31.6 | 32.5 | 33.3 | 34.1 | 34.9 | 35.6 | 36.2 | 36.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.75

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 77.6 |
| 20 | 0. | 0. | 0. | . | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.9 | 50.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 94.5 | 52.8 | 47.6 | 45.5 |
| 22 | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.9 | 49.4 | 45.6 | 43.9 | 43.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.1 | 47.1 | 44.0 | 42.6 | 42.0 | 41.7 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.2 | 45.5 | 42.6 | 41.4 | 40.9 | 40.8 | 40.8 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.6 | 44.2 | 41.4 | 40.4 | 40.0 | 39.9 | 39.9 | 40.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.4 | 43.3 | 40.4 | 39.4 | 39.0 | 39.0 | 39.1 | 39.4 | 39.7 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 78.6 | 42.8 | 39.5 | 38.4 | 38.1 | 38.1 | 38.3 | 38.6 | 38.9 | 39.3 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 43.1 | 38.7 | 37.5 | 37.1 | 37.2 | 37.5 | 37.8 | 38.2 | 38.6 | 39.0 |
| 29 | 0. | 0. | 0. | 0. | 0. | 45.0 | 38.1 | 36.6 | 36.2 | 36.3 | 36.6 | 37.0 | 37.4 | 37.9 | 38.4 | 38.8 |
| 30 | 0. | 0. | 0. | 0. | 55.1 | 37.9 | 35.7 | 35.3 | 35.3 | 35.7 | 36.1 | 36.6 | 37.1 | 37.7 | 38.2 | 38.7 |
| 31 | 0. | 0. | 0. | 0. | 38.6 | 35.0 | 34.3 | 34.4 | 34.7 | 35.2 | 35.8 | 36.3 | 36.9 | 37.5 | 38.0 | 38.5 |
| 32 | 0. | 0. | 0. | 42.8 | 34.6 | 33.4 | 33.4 | 33.7 | 34.3 | 34.9 | 35.5 | 36.1 | 36.7 | 37.3 | 37.9 | 38.4 |
| 33 | 0. | 0. | 0. | 34.9 | 32.5 | 32.3 | 32.7 | 33.2 | 33.9 | 34.6 | 35.3 | 35.9 | 36.6 | 37.2 | 37.8 | 38.3 |
| 34 | 0. | 0. | 38.2 | 31.9 | 31.3 | 31.6 | 32.2 | 32.9 | 33.6 | 34.3 | 35.1 | 35.8 | 36.4 | 37.1 | 37.7 | 38.2 |
| 35 | 0. | 0. | 32.1 | 30.3 | 30.4 | 31.0 | 31.8 | 32.6 | 33.4 | 34.2 | 34.9 | 35.6 | 36.3 | 37.0 | 37.6 | 38.2 |
| 36 | 0. | 36.1 | 29.6 | 29.2 | 29.8 | 30.6 | 31.5 | 32.3 | 33.2 | 34.0 | 34.8 | 35.5 | 36.2 | 36.9 | 37.5 | 38.1 |
| 37 | 0. | 29.9 | 28.1 | 28.5 | 29.3 | 30.2 | 31.2 | 32.1 | 33.0 | 33.9 | 34.7 | 35.4 | 36.2 | 36.8 | 37.5 | 38.1 |
| 38 | 38.8 | 27.4 | 27.2 | 27.9 | 28.9 | 30.0 | 31.0 | 32.0 | 32.9 | 33.8 | 34.6 | 35.4 | 36.1 | 36.8 | 37.4 | 38.0 |
| 39 | 28.2 | 26.0 | 26.5 | 27.5 | 28.6 | 29.7 | 30.8 | 31.8 | 32.8 | 33.7 | 34.5 | 35.3 | 36.0 | 36.7 | 37.4 | 38.0 |
| 40 | 25.3 | 25.0 | 26.0 | 27.2 | 28.4 | 29.6 | 30.7 | 31.7 | 32.7 | 33.6 | 34.5 | 35.3 | 36.0 | 36.7 | 37.3 | 38.0 |
| 41 | 23.7 | 24.4 | 25.6 | 26.9 | 28.2 | 29.4 | 30.6 | 31.6 | 32.6 | 33.5 | 34.4 | 35.2 | 36.0 | 36.7 | 37.3 | 37.9 |
| 42 | 22.7 | 23.9 | 25.3 | 26.7 | 28.0 | 29.3 | 30.5 | 31.5 | 32.5 | 33.5 | 34.4 | 35.2 | 35.9 | 36.6 | 37.3 | 37.9 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.00

PLAIN WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 80.2 | 54.8 | 49.9 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.8 | 51.3 | 47.7 | 46.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.0 | 48.9 | 46.0 | 44.7 | 44.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.0 | 47.2 | 44.6 | 43.5 | 43.0 | 42.8 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.5 | 45.8 | 43.4 | 42.4 | 42.0 | 41.9 | 42.0 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.3 | 44.7 | 42.3 | 41.4 | 41.1 | 41.0 | 41.1 | 41.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.3 | 43.9 | 41.3 | 40.4 | 40.1 | 40.1 | 40.3 | 40.6 | 40.9 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 55.3 | 43.5 | 40.5 | 39.5 | 39.2 | 39.3 | 39.5 | 39.8 | 40.2 | 40.6 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 43.8 | 39.7 | 38.6 | 38.3 | 38.4 | 38.6 | 39.0 | 39.4 | 39.9 | 40.3 |
| 30 | 0. | 0. | 0. | 0. | 0. | 45.8 | 39.2 | 37.7 | 37.3 | 37.4 | 37.8 | 38.2 | 38.6 | 39.1 | 39.6 | 40.1 |
| 31 | 0. | 0. | 0. | 0. | 56.1 | 39.1 | 36.9 | 36.4 | 36.5 | 36.8 | 37.3 | 37.8 | 38.3 | 38.9 | 39.4 | 39.9 |
| 32 | 0. | 0. | 0. | 0. | 40.0 | 36.2 | 35.4 | 35.5 | 35.9 | 36.4 | 36.9 | 37.5 | 38.1 | 38.7 | 39.2 | 39.8 |
| 33 | 0. | 0. | 0. | 45.0 | 35.8 | 34.5 | 34.5 | 34.9 | 35.4 | 36.0 | 36.7 | 37.3 | 37.9 | 38.5 | 39.1 | 39.7 |
| 34 | 0. | 0. | 0. | 36.4 | 33.7 | 33.4 | 33.8 | 34.4 | 35.0 | 35.7 | 36.4 | 37.1 | 37.8 | 38.4 | 39.0 | 39.6 |
| 35 | 0. | 0. | 40.9 | 33.2 | 32.4 | 32.7 | 33.3 | 34.0 | 34.7 | 35.5 | 36.2 | 37.0 | 37.6 | 38.3 | 38.9 | 39.5 |
| 36 | 0. | 0. | 33.7 | 31.5 | 31.5 | 32.1 | 32.9 | 33.7 | 34.5 | 35.3 | 36.1 | 36.8 | 37.5 | 38.2 | 38.8 | 39.4 |
| 37 | 0. | 39.9 | 30.9 | 30.4 | 30.9 | 31.7 | 32.5 | 33.4 | 34.3 | 35.2 | 36.0 | 36.7 | 37.4 | 38.1 | 38.8 | 39.4 |
| 38 | 0. | 31.6 | 29.3 | 29.6 | 30.4 | 31.3 | 32.3 | 33.2 | 34.1 | 35.0 | 35.8 | 36.6 | 37.4 | 38.1 | 38.7 | 39.3 |
| 39 | 57.8 | 28.7 | 28.3 | 29.0 | 30.0 | 31.0 | 32.1 | 33.1 | 34.0 | 34.9 | 35.8 | 36.6 | 37.3 | 38.0 | 38.7 | 39.3 |
| 40 | 30.5 | 27.1 | 27.5 | 28.5 | 29.7 | 30.8 | 31.9 | 32.9 | 33.9 | 34.8 | 35.7 | 36.5 | 37.2 | 38.0 | 38.6 | 39.2 |
| 41 | 26.8 | 26.1 | 27.0 | 28.2 | 29.4 | 30.6 | 31.7 | 32.8 | 33.8 | 34.7 | 35.6 | 36.4 | 37.2 | 37.9 | 38.6 | 39.2 |
| 42 | 24.9 | 25.4 | 26.6 | 27.9 | 29.2 | 30.4 | 31.6 | 32.7 | 33.7 | 34.7 | 35.6 | 36.4 | 37.2 | 37.9 | 38.6 | 39.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.13

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.5 | 52.9 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 126.8 | 56.0 | 50.2 | 47.8 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.8 | 52.7 | 48.2 | 46.3 | 45.4 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.1 | 50.5 | 46.6 | 45.0 | 44.2 | 43.9 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.2 | 48.9 | 45.3 | 43.8 | 43.2 | 43.0 | 42.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.6 | 47.9 | 44.2 | 42.8 | 42.2 | 42.1 | 42.1 | 42.2 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 109.8 | 47.3 | 43.2 | 41.8 | 41.3 | 41.2 | 41.2 | 41.5 | 41.7 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 42.4 | 40.8 | 40.3 | 40.3 | 40.4 | 40.7 | 41.0 | 41.4 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 49.2 | 41.6 | 40.0 | 39.4 | 39.3 | 39.5 | 39.8 | 40.2 | 40.6 | 41.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 56.7 | 41.6 | 39.1 | 38.5 | 38.4 | 38.6 | 39.0 | 39.4 | 39.9 | 40.4 | 40.8 |
| 31 | 0. | 0. | 0. | 0. | 0. | 42.2 | 38.5 | 37.6 | 37.5 | 37.7 | 38.1 | 38.6 | 39.1 | 39.6 | 40.1 | 40.7 |
| 32 | 0. | 0. | 0. | 0. | 45.1 | 38.0 | 36.7 | 36.5 | 36.7 | 37.2 | 37.7 | 38.3 | 38.8 | 39.4 | 40.0 | 40.5 |
| 33 | 0. | 0. | 0. | 89.5 | 38.2 | 35.9 | 35.5 | 35.7 | 36.2 | 36.8 | 37.4 | 38.0 | 38.6 | 39.2 | 39.8 | 40.4 |
| 34 | 0. | 0. | 0. | 40.3 | 35.3 | 34.5 | 34.7 | 35.2 | 35.8 | 36.5 | 37.1 | 37.8 | 38.5 | 39.1 | 39.7 | 40.3 |
| 35 | 0. | 0. | 65.2 | 35.3 | 33.6 | 33.6 | 34.1 | 34.7 | 35.5 | 36.2 | 36.9 | 37.6 | 38.3 | 39.0 | 39.6 | 40.2 |
| 36 | 0. | 0. | 37.3 | 32.9 | 32.5 | 32.9 | 33.6 | 34.4 | 35.2 | 36.0 | 36.8 | 37.5 | 38.2 | 38.9 | 39.5 | 40.1 |
| 37 | 0. | 0. | 32.9 | 31.5 | 31.7 | 32.4 | 33.2 | 34.1 | 35.0 | 35.8 | 36.6 | 37.4 | 38.1 | 38.8 | 39.4 | 40.0 |
| 38 | 0. | 35.7 | 30.7 | 30.5 | 31.1 | 32.0 | 32.9 | 33.9 | 34.8 | 35.7 | 36.5 | 37.3 | 38.0 | 38.7 | 39.4 | 40.0 |
| 39 | 0. | 30.8 | 29.4 | 29.8 | 30.7 | 31.7 | 32.7 | 33.7 | 34.6 | 35.5 | 36.4 | 37.2 | 37.9 | 38.6 | 39.3 | 39.9 |
| 40 | 37.8 | 28.5 | 28.4 | 29.3 | 30.3 | 31.4 | 32.5 | 33.5 | 34.5 | 35.4 | 36.3 | 37.1 | 37.9 | 38.6 | 39.3 | 39.9 |
| 41 | 29.3 | 27.2 | 27.8 | 28.9 | 30.0 | 31.2 | 32.3 | 33.4 | 34.4 | 35.3 | 36.2 | 37.1 | 37.8 | 38.5 | 39.2 | 39.9 |
| 42 | 26.5 | 26.3 | 27.3 | 28.5 | 29.8 | 31.0 | 32.2 | 33.3 | 34.3 | 35.3 | 36.2 | 37.0 | 37.8 | 38.5 | 39.2 | 39.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.60

PLAIN WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 92.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.8 | 57.3 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.7 | 54.4 | 51.3 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.9 | 52.3 | 49.7 | 48.4 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.6 | 50.6 | 48.3 | 47.3 | 46.7 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.2 | 49.3 | 47.1 | 46.2 | 45.8 | 45.6 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.6 | 48.2 | 46.1 | 45.2 | 44.8 | 44.8 | 44.9 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.2 | 47.4 | 45.1 | 44.2 | 43.9 | 43.9 | 44.0 | 44.3 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.1 | 46.9 | 44.2 | 43.3 | 43.0 | 43.0 | 43.2 | 43.5 | 43.9 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 72.4 | 46.9 | 43.5 | 42.4 | 42.1 | 42.1 | 42.4 | 42.7 | 43.1 | 43.5 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 47.8 | 42.9 | 41.5 | 41.1 | 41.2 | 41.5 | 41.9 | 42.3 | 42.8 | 43.2 |
| 32 | 0. | 0. | 0. | 0. | 0. | 51.5 | 42.6 | 40.7 | 40.2 | 40.3 | 40.6 | 41.0 | 41.5 | 42.0 | 42.5 | 43.0 |
| 33 | 0. | 0. | 0. | 0. | 96.7 | 42.9 | 40.0 | 39.3 | 39.3 | 39.6 | 40.1 | 40.6 | 41.2 | 41.7 | 42.3 | 42.9 |
| 34 | 0. | 0. | 0. | 0. | 45.2 | 39.5 | 38.4 | 38.3 | 38.6 | 39.1 | 39.7 | 40.3 | 40.9 | 41.5 | 42.1 | 42.7 |
| 35 | 0. | 0. | 0. | 61.4 | 39.7 | 37.6 | 37.3 | 37.6 | 38.1 | 38.8 | 39.4 | 40.1 | 40.7 | 41.4 | 42.0 | 42.6 |
| 36 | 0. | 0. | 0. | 41.6 | 37.0 | 36.3 | 36.5 | 37.1 | 37.7 | 38.4 | 39.2 | 39.9 | 40.6 | 41.2 | 41.9 | 42.5 |
| 37 | 0. | 0. | 61.2 | 37.0 | 35.4 | 35.4 | 35.9 | 36.0 | 37.4 | 38.2 | 39.0 | 39.7 | 40.4 | 41.1 | 41.8 | 42.4 |
| 38 | 0. | 0. | 39.3 | 34.7 | 34.3 | 34.7 | 35.5 | 36.3 | 37.1 | 38.0 | 38.8 | 39.6 | 40.3 | 41.0 | 41.7 | 42.3 |
| 39 | 0. | 0. | 34.8 | 33.3 | 33.5 | 34.2 | 35.1 | 36.0 | 36.9 | 37.8 | 38.6 | 39.4 | 40.2 | 40.9 | 41.6 | 42.3 |
| 40 | 0. | 38.6 | 32.6 | 32.3 | 32.9 | 33.8 | 34.8 | 35.8 | 36.7 | 37.7 | 38.5 | 39.3 | 40.1 | 40.9 | 41.6 | 42.2 |
| 41 | 0. | 33.0 | 31.2 | 31.6 | 32.5 | 33.5 | 34.5 | 35.6 | 36.6 | 37.5 | 38.4 | 39.3 | 40.1 | 40.8 | 41.5 | 42.2 |
| 42 | 46.1 | 30.5 | 30.2 | 31.0 | 32.1 | 33.2 | 34.3 | 35.4 | 36.5 | 37.4 | 38.3 | 39.2 | 40.0 | 40.7 | 41.5 | 42.1 |
| 43 | 32.2 | 29.0 | 29.5 | 30.6 | 31.6 | 33.0 | 34.2 | 35.3 | 36.3 | 37.3 | 38.3 | 39.1 | 39.9 | 40.7 | 41.4 | 42.1 |
| 44 | 28.5 | 28.0 | 28.9 | 30.2 | 31.5 | 32.8 | 34.0 | 35.2 | 36.2 | 37.2 | 38.2 | 39.1 | 39.9 | 40.7 | 41.4 | 42.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.54

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 21.1 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.2 | 20.0 | 19.2 | 18.8 | 18.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.7 | 19.7 | 18.5 | 18.0 | 17.9 | 17.8 | 17.8 | 17.9 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 18.3 | 17.4 | 17.1 | 17.0 | 17.1 | 17.1 | 17.3 | 17.4 | 17.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 17.4 | 16.4 | 16.2 | 16.2 | 16.3 | 16.4 | 16.6 | 16.8 | 17.0 | 17.1 | 17.3 |
| 15 | 0. | 0. | 0. | 17.3 | 15.5 | 15.2 | 15.3 | 15.4 | 15.7 | 15.9 | 16.1 | 16.4 | 16.6 | 16.8 | 17.0 | 17.2 |
| 16 | 0. | 0. | 14.9 | 14.2 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.2 | 16.5 | 16.7 | 16.9 | 17.1 |
| 17 | 21.4 | 13.2 | 13.1 | 13.3 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.6 | 16.9 | 17.1 |
| 18 | 11.8 | 11.9 | 12.4 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.3 | 16.6 | 16.8 | 17.1 |
| 19 | 10.7 | 11.4 | 12.0 | 12.7 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.8 | 17.0 |
| 20 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.7 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 | 16.8 | 17.0 |
| 21 | 10.0 | 10.9 | 11.7 | 12.4 | 13.0 | 13.6 | 14.1 | 14.5 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.5 | 16.8 | 17.0 |
| 22 | 9.9 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 | 16.8 | 17.0 |
| 23 | 9.7 | 10.7 | 11.6 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.2 | 16.5 | 16.8 | 17.0 |
| 24 | 9.7 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 |
| 25 | 9.6 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 26 | 9.6 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 27 | 9.6 | 10.6 | 11.4 | 12.2 | 12.9 | 13.5 | 14.0 | 14.4 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 28 | 9.5 | 10.6 | 11.4 | 12.2 | 12.9 | 13.4 | 14.0 | 14.4 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 29 | 9.5 | 10.5 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.4 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 30 | 9.5 | 10.5 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.4 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 31 | 9.5 | 10.5 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.4 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |
| 32 | 9.5 | 10.5 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.4 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 |

3-HARNESS

(Starting on page 112)

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.56

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 22.7 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 21.5 | 20.1 | 19.5 | 19.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.8 | 19.5 | 18.8 | 18.5 | 18.3 | 18.3 | 18.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.0 | 18.3 | 17.7 | 17.6 | 17.5 | 17.6 | 17.7 | 17.8 | 17.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 19.4 | 17.3 | 16.8 | 16.7 | 16.7 | 16.8 | 17.0 | 17.2 | 17.3 | 17.5 | 17.7 |
| 15 | 0. | 0. | 0. | 22.3 | 16.5 | 15.9 | 15.8 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.9 | 17.2 | 17.4 | 17.5 |
| 16 | 0. | 0. | 16.6 | 14.9 | 14.8 | 14.9 | 15.2 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.8 | 17.0 | 17.3 | 17.5 |
| 17 | 0. | 14.4 | 13.6 | 13.8 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.7 | 17.0 | 17.2 | 17.4 |
| 18 | 12.7 | 12.4 | 12.8 | 13.3 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 16.9 | 17.2 | 17.4 |
| 19 | 11.2 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.1 | 17.4 |
| 20 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.1 | 17.3 |
| 21 | 10.3 | 11.2 | 12.0 | 12.7 | 13.3 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.8 | 17.1 | 17.3 |
| 22 | 10.1 | 11.0 | 11.9 | 12.6 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.8 | 17.1 | 17.3 |
| 23 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 24 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 25 | 9.8 | 10.8 | 11.7 | 12.5 | 13.1 | 13.7 | 14.3 | 14.7 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 26 | 9.8 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 27 | 9.7 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 28 | 9.7 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |
| 29 | 9.7 | 10.7 | 11.6 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |
| 30 | 9.7 | 10.7 | 11.6 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |
| 31 | 9.7 | 10.7 | 11.6 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |
| 32 | 9.7 | 10.7 | 11.6 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15. | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.58

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.8 | 21.3 | 20.3 | 19.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.8 | 20.9 | 19.6 | 19.1 | 18.9 | 18.8 | 18.8 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.3 | 19.4 | 18.5 | 18.1 | 18.0 | 18.0 | 18.1 | 18.2 | 18.3 |
| 14 | 0. | 0. | 0. | 0. | 0. | 24.3 | 18.4 | 17.5 | 17.2 | 17.2 | 17.3 | 17.4 | 17.5 | 17.7 | 17.9 | 18.0 |
| 15 | 0. | 0. | 0. | 0. | 18.0 | 16.6 | 16.3 | 16.3 | 16.5 | 16.7 | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 | 17.9 |
| 16 | 0. | 0. | 21.3 | 15.8 | 15.3 | 15.4 | 15.6 | 15.8 | 16.1 | 16.4 | 16.6 | 16.9 | 17.1 | 17.4 | 17.6 | 17.8 |
| 17 | 0. | 16.5 | 14.3 | 14.3 | 14.5 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 | 17.5 | 17.7 |
| 18 | 14.2 | 13.0 | 13.2 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 | 17.2 | 17.5 | 17.7 |
| 19 | 11.7 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.4 | 17.7 |
| 20 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.4 | 17.6 |
| 21 | 10.6 | 11.4 | 12.2 | 12.9 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.1 | 17.4 | 17.6 |
| 22 | 10.3 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.1 | 17.4 | 17.6 |
| 23 | 10.2 | 11.2 | 12.0 | 12.8 | 13.4 | 14.0 | 14.6 | 15.0 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 24 | 10.1 | 11.1 | 12.0 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 25 | 10.0 | 11.0 | 11.9 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 26 | 10.0 | 11.0 | 11.9 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 27 | 9.9 | 11.0 | 11.9 | 12.7 | 13.3 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 28 | 9.9 | 11.0 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 29 | 9.9 | 10.9 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 |
| 30 | 9.9 | 10.9 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 | 17.6 |
| 31 | 9.9 | 10.9 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 | 17.6 |
| 32 | 9.8 | 10.9 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 | 17.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.65

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 | 23.0 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 22.3 | 21.2 | 26.8 | 20.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.7 | 20.8 | 20.1 | 19.8 | 19.7 | 19.7 | 19.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.6 | 19.7 | 19.1 | 18.9 | 18.9 | 18.9 | 19.0 | 19.2 | 19.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 21.7 | 18.9 | 18.2 | 18.1 | 18.1 | 18.2 | 18.3 | 18.5 | 18.7 | 18.9 | 19.1 |
| 16 | 0. | 0. | 0. | 0. | 18.4 | 17.3 | 17.1 | 17.2 | 17.4 | 17.6 | 17.8 | 18.0 | 18.3 | 18.5 | 18.7 | 18.9 |
| 17 | 0. | 0. | 20.8 | 16.6 | 16.2 | 16.2 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 | 18.1 | 18.4 | 18.6 | 18.8 |
| 18 | 0. | 17.4 | 15.2 | 15.1 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.0 | 18.3 | 18.5 | 18.8 |
| 19 | 15.4 | 13.9 | 14.0 | 14.4 | 14.9 | 15.4 | 15.8 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 | 18.2 | 18.5 | 18.7 |
| 20 | 12.5 | 12.9 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 |
| 21 | 11.7 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.4 | 18.7 |
| 22 | 11.2 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.4 | 18.7 |
| 23 | 11.0 | 12.0 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 |
| 24 | 10.8 | 11.9 | 12.8 | 13.6 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 25 | 10.7 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 26 | 10.6 | 11.7 | 12.6 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.3 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 27 | 10.6 | 11.7 | 12.6 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.3 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 28 | 10.5 | 11.6 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 29 | 10.5 | 11.6 | 12.6 | 13.4 | 14.1 | 14.8 | 15.3 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 30 | 10.5 | 11.6 | 12.5 | 13.4 | 14.1 | 14.8 | 15.3 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 31 | 10.5 | 11.6 | 12.5 | 13.4 | 14.1 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |
| 32 | 10.4 | 11.6 | 12.5 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.66

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 23.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 22.9 | 21.7 | 21.1 | 20.8 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0 | 0. | 0. | 23.9 | 21.3 | 20.4 | 20.1 | 19.9 | 19.9 | 19.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.8 | 20.2 | 19.4 | 19.2 | 19.1 | 19.1 | 19.2 | 19.3 | 19.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 23.9 | 19.4 | 18.5 | 18.3 | 18.3 | 18.4 | 18.5 | 18.7 | 18.9 | 19.1 | 19.2 |
| 16 | 0. | 0. | 0. | 0. | 19.2 | 17.7 | 17.4 | 17.4 | 17.6 | 17.8 | 18.0 | 18.2 | 18.4 | 18.7 | 18.9 | 19.1 |
| 17 | 0. | 0. | 27.0 | 17.1 | 16.4 | 16.4 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 | 18.0 | 18.3 | 18.5 | 18.8 | 19.0 |
| 18 | 0. | 19.3 | 15.6 | 15.3 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 | 18.7 | 18.9 |
| 19 | 16.9 | 14.2 | 14.2 | 14.6 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 | 18.9 |
| 20 | 12.8 | 13.1 | 13.7 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 | 18.3 | 18.6 | 18.9 |
| 21 | 11.9 | 12.6 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.8 |
| 22 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.8 |
| 23 | 11.1 | 12.1 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.5 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 |
| 24 | 10.9 | 12.0 | 12.9 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 |
| 25 | 10.8 | 11.9 | 12.8 | 13.6 | 14.3 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 | 18.5 | 18.8 |
| 26 | 10.7 | 11.8 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.2 | 18.5 | 18.8 |
| 27 | 10.7 | 11.8 | 12.7 | 13.5 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 28 | 10.6 | 11.7 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 29 | 10.6 | 11.7 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 30 | 10.6 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 31 | 10.5 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.4 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 32 | 10.5 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.4 | 16.0 | 16.4 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.67

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 24.3 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 23.7 | 22.1 | 21.4 | 21.1 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.7 | 21.9 | 20.8 | 20.4 | 20.2 | 20.1 | 20.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.5 | 20.7 | 19.8 | 19.5 | 19.3 | 19.4 | 19.4 | 19.5 | 19.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 28.8 | 20.0 | 18.9 | 18.6 | 18.5 | 18.6 | 18.7 | 18.9 | 19.0 | 19.2 | 19.4 |
| 16 | 0. | 0. | 0. | 0. | 20.1 | 18.1 | 17.7 | 17.6 | 17.8 | 17.9 | 18.2 | 18.4 | 18.6 | 18.8 | 19.0 | 19.2 |
| 17 | 0. | 0. | 0. | 17.7 | 16.8 | 16.7 | 16.8 | 17.1 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 | 18.7 | 18.9 | 19.1 |
| 18 | 0. | 24.4 | 16.0 | 15.6 | 15.7 | 16.0 | 16.4 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 | 19.1 |
| 19 | 19.9 | 14.6 | 14.5 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 18.[illegible] | 18.3 | 18.5 | 18.8 | 19.0 |
| 20 | 13.2 | 13.3 | 13.8 | 14.4 | 14.9 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 |
| 21 | 12.1 | 12.7 | 13.5 | 14.1 | 14.8 | 15.3 | 15.9 | 16.3 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 |
| 22 | 11.5 | 12.4 | 13.2 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 19.0 |
| 23 | 11.2 | 12.2 | 13.1 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 24 | 11.0 | 12.1 | 13.0 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 25 | 10.9 | 12.0 | 12.9 | 13.7 | 14.4 | 15.1 | 15.6 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 26 | 10.8 | 11.9 | 12.9 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 27 | 10.8 | 11.9 | 12.8 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 28 | 10.7 | 11.8 | 12.8 | 13.6 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 |
| 29 | 10.7 | 11.8 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 | 18.9 |
| 30 | 10.6 | 11.8 | 12.7 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 | 18.9 |
| 31 | 10.6 | 11.8 | 12.7 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.6 | 18.9 |
| 32 | 10.6 | 11.7 | 12.7 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.6 | 18.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.68

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 25.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 22.6 | 21.8 | 21.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 22.6 | 21.2 | 20.7 | 20.4 | 20.3 | 20.3 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 21.4 | 20.2 | 19.7 | 19.6 | 19.6 | 19.6 | 19.7 | 19.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 20.7 | 19.3 | 18.9 | 18.8 | 18.8 | 18.9 | 19.1 | 19.2 | 19.4 | 19.6 |
| 16 | 0. | 0. | 0. | 0. | 21.5 | 18.5 | 18.0 | 17.9 | 18.0 | 18.1 | 18.3 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 |
| 17 | 0. | 0. | 0. | 18.4 | 17.1 | 16.9 | 17.0 | 17.3 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 | 19.1 | 19.3 |
| 18 | 0. | 0. | 16.5 | 15.9 | 16.0 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 |
| 19 | 0. | 15.0 | 14.7 | 15.0 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.2 |
| 20 | 13.6 | 13.5 | 14.0 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 |
| 21 | 12.3 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 |
| 22 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.8 | 19.1 |
| 23 | 11.4 | 12.3 | 13.2 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.8 | 19.1 |
| 24 | 11.2 | 12.2 | 13.1 | 13.9 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 25 | 11.0 | 12.1 | 13.0 | 13.8 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 26 | 10.9 | 12.0 | 13.0 | 13.8 | 14.5 | 15.2 | 15.7 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 27 | 10.9 | 12.0 | 12.9 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 28 | 10.8 | 11.9 | 12.9 | 13.7 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 29 | 10.8 | 11.9 | 12.9 | 13.7 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 |
| 30 | 10.7 | 11.9 | 12.8 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 |
| 31 | 10.7 | 11.8 | 12.8 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 |
| 32 | 10.7 | 11.8 | 12.8 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.69

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 23.2 | 22.2 | 21.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.8 | 23.4 | 21.7 | 21.0 | 20.7 | 20.6 | 20.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.8 | 22.1 | 20.6 | 20.0 | 19.8 | 19.8 | 19.8 | 19.9 | 20.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 21.6 | 19.7 | 19.1 | 19.0 | 19.0 | 19.1 | 19.2 | 19.4 | 19.6 | 19.7 |
| 16 | 0. | 0. | 0. | 0. | 23.6 | 19.0 | 18.3 | 18.1 | 18.2 | 18.3 | 18.5 | 16.7 | 18.9 | 19.1 | 19.4 | 19.6 |
| 17 | 0. | 0. | 0. | 19.3 | 17.4 | 17.2 | 17.2 | 17.4 | 17.7 | 18.0 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 | 19.4 |
| 18 | 0. | 0. | 17.1 | 16.2 | 16.2 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 | 19.4 |
| 19 | 0. | 15.5 | 15.0 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.5 | 18.8 | 19.1 | 19.3 |
| 20 | 14.0 | 13.8 | 14.2 | 14.7 | 15.2 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 |
| 21 | 12.5 | 13.1 | 13.6 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 10.1 | 18.5 | 18.7 | 19.0 | 19.3 |
| 22 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 | 19.0 | 19.2 |
| 23 | 11.5 | 12.5 | 13.3 | 14.1 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 | 19.2 |
| 24 | 11.3 | 12.3 | 13.2 | 14.0 | 14.7 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 | 19.2 |
| 25 | 11.1 | 12.2 | 13.1 | 13.9 | 14.7 | 15.3 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 | 19.2 |
| 26 | 11.0 | 12.1 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 18.9 | 19.2 |
| 27 | 10.9 | 12.1 | 13.0 | 13.9 | 14.6 | 15.3 | 15.8 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 18.9 | 19.2 |
| 28 | 10.9 | 12.0 | 13.0 | 13.8 | 14.6 | 15.2 | 15.8 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.3 | 18.7 | 18.9 | 19.2 |
| 29 | 10.8 | 12.0 | 13.0 | 13.8 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 |
| 30 | 10.8 | 12.0 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 |
| 31 | 10.8 | 11.9 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 |
| 32 | 10.8 | 11.9 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.70

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 23.8 | 22.6 | 22.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 22.1 | 21.3 | 21.0 | 20.8 | 20.8 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 21.0 | 20.3 | 20.1 | 20.0 | 20.0 | 20.1 | 20.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 22.7 | 20.1 | 19.4 | 19.2 | 19.2 | 19.3 | 19.4 | 19.6 | 19.7 | 19.9 |
| 16 | 0. | 0. | 0. | 0. | 28.5 | 19.6 | 18.6 | 18.4 | 18.4 | 18.5 | 18.7 | 18.9 | 19.1 | 19.3 | 19.5 | 19.7 |
| 17 | 0. | 0. | 0. | 20.4 | 17.8 | 17.4 | 17.4 | 17.6 | 17.9 | 18.1 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 | 19.6 |
| 18 | 0. | 0. | 17.9 | 16.5 | 16.4 | 16.6 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 19 | 0. | 16.1 | 15.3 | 15.4 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 | 19.2 | 19.5 |
| 20 | 14.6 | 14.0 | 14.4 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 | 19.4 |
| 21 | 12.7 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.4 |
| 22 | 12.0 | 12.8 | 13.6 | 14.4 | 15.0 | 15.6 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 | 19.1 | 19.4 |
| 23 | 11.6 | 12.6 | 13.4 | 14.2 | 14.9 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 |
| 24 | 11.4 | 12.4 | 13.3 | 14.1 | 14.8 | 15.5 | 16.0 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 |
| 25 | 11.2 | 12.3 | 13.2 | 14.1 | 14.8 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 |
| 26 | 11.1 | 12.2 | 13.2 | 14.0 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 |
| 27 | 11.0 | 12.2 | 13.1 | 14.0 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 |
| 28 | 11.0 | 12.1 | 13.1 | 13.9 | 14.7 | 15.4 | 15.9 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 |
| 29 | 10.9 | 12.1 | 13.1 | 13.9 | 14.7 | 15.3 | 15.9 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 |
| 30 | 10.9 | 12.1 | 13.0 | 13.9 | 14.7 | 15.3 | 15.9 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 |
| 31 | 10.9 | 12.0 | 13.0 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 |
| 32 | 10.9 | 12.0 | 13.0 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.71

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.5 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.6 | 24.6 | 23.0 | 22.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.6 | 22.7 | 21.7 | 21.3 | 21.1 | 21.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.1 | 21.5 | 20.7 | 20.4 | 20.2 | 20.2 | 20.3 | 20.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 20.6 | 19.8 | 19.5 | 19.4 | 19.5 | 19.6 | 19.7 | 19.9 | 20.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 20.2 | 18.9 | 18.6 | 18.6 | 18.7 | 18.9 | 19.1 | 19.3 | 19.5 | 19.7 | 19.9 |
| 17 | 0. | 0. | 0. | 22.2 | 18.3 | 17.7 | 17.7 | 17.8 | 18.0 | 18.3 | 18.5 | 18.8 | 19.1 | 19.3 | 19.5 | 19.8 |
| 18 | 0. | 0. | 18.8 | 16.8 | 16.6 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 |
| 19 | 0. | 16.8 | 15.6 | 15.6 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.6 |
| 20 | 15.3 | 14.3 | 14.6 | 15.0 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 | 19.6 |
| 21 | 13.0 | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 | 19.3 | 19.5 |
| 22 | 12.2 | 13.0 | 13.8 | 14.5 | 15.1 | 15.7 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.5 |
| 23 | 11.7 | 12.7 | 13.6 | 14.3 | 15.0 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 | 19.3 | 19.5 |
| 24 | 11.5 | 12.5 | 13.4 | 14.2 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 | 19.2 | 19.5 |
| 25 | 11.3 | 12.4 | 13.3 | 14.2 | 14.9 | 15.5 | 16.1 | 16.7 | 17.1 | 17.6 | 17.9 | 18.3 | 18.5 | 18.9 | 19.2 | 19.5 |
| 26 | 11.2 | 12.3 | 13.3 | 14.1 | 14.9 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 27 | 11.1 | 12.3 | 13.2 | 14.1 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 28 | 11.1 | 12.2 | 13.2 | 14.0 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 29 | 11.0 | 12.2 | 13.2 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 30 | 11.0 | 12.1 | 13.1 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 31 | 11.0 | 12.1 | 13.1 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 32 | 10.9 | 12.1 | 13.1 | 14.0 | 14.7 | 15.4 | 16.0 | 16.6 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.72

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.5 | 25.4 | 23.5 | 22.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 23.3 | 22.1 | 21.6 | 21.3 | 21.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.6 | 22.0 | 21.0 | 20.6 | 20.5 | 20.4 | 20.5 | 20.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 21.2 | 20.1 | 19.7 | 19.7 | 19.7 | 19.8 | 19.9 | 20.1 | 20.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 21.0 | 19.3 | 18.9 | 18.8 | 18.9 | 19.0 | 19.2 | 19.4 | 19.6 | 19.8 | 20.0 |
| 17 | 0. | 0. | 0. | 25.7 | 18.8 | 18.0 | 17.9 | 18.0 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 | 19.4 | 19.7 | 19.9 |
| 18 | 0. | 0. | 20.2 | 17.2 | 16.9 | 17.0 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 | 19.6 | 19.8 |
| 19 | 0. | 17.8 | 15.9 | 15.8 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.5 | 19.8 |
| 20 | 16.2 | 14.6 | 14.8 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 |
| 21 | 13.2 | 13.6 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.4 | 19.7 |
| 22 | 12.3 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 |
| 23 | 11.9 | 12.8 | 13.7 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.6 |
| 24 | 11.6 | 12.6 | 13.6 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.6 |
| 25 | 11.4 | 12.5 | 13.5 | 14.3 | 15.0 | 15.7 | 16.2 | 16.8 | 17.2 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 |
| 26 | 11.3 | 12.4 | 13.4 | 14.2 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 |
| 27 | 11.2 | 12.4 | 13.3 | 14.2 | 14.9 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.0 | 18.4 | 18.8 | 19.1 | 19.3 | 19.6 |
| 28 | 11.2 | 12.3 | 13.3 | 14.2 | 14.9 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.3 | 19.6 |
| 29 | 11.1 | 12.3 | 13.3 | 14.1 | 14.9 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.3 | 19.6 |
| 30 | 11.1 | 12.2 | 13.2 | 14.1 | 14.9 | 15.5 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 |
| 31 | 11.0 | 12.2 | 13.2 | 14.1 | 14.9 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 |
| 32 | 11.0 | 12.2 | 13.2 | 14.1 | 14.8 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.73

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.9 |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 24.1 | 23.1 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 24.0 | 22.5 | 21.9 | 21.6 | 21.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.0 | 22.6 | 21.4 | 20.9 | 20.7 | 20.7 | 20.7 | 20.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 | 21.8 | 20.5 | 20.0 | 19.9 | 19.9 | 20.0 | 20.1 | 20.2 | 20.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 22.0 | 19.7 | 19.2 | 19.0 | 19.1 | 19.2 | 19.4 | 19.6 | 19.8 | 20.0 | 20.2 |
| 17 | 0. | 0. | 0. | 0. | 19.3 | 18.3 | 18.1 | 18.2 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 |
| 18 | 0. | 0. | 22.4 | 17.6 | 17.1 | 17.2 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 20.0 |
| 19 | 0. | 19.2 | 16.2 | 16.1 | 16.3 | 16.7 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 |
| 20 | 17.5 | 14.9 | 15.0 | 15.4 | 15.8 | 16.3 | 16.8 | 17.2 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 21 | 13.5 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.8 |
| 22 | 12.5 | 13.3 | 14.0 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 19.0 | 19.3 | 19.5 | 19.8 |
| 23 | 12.0 | 13.0 | 13.8 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.4 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 24 | 11.7 | 12.8 | 13.7 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 25 | 11.5 | 12.6 | 13.6 | 14.4 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 26 | 11.4 | 12.5 | 13.5 | 14.3 | 15.1 | 15.7 | 16.3 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 27 | 11.3 | 12.4 | 13.4 | 14.3 | 15.0 | 15.7 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 |
| 28 | 11.2 | 12.4 | 13.4 | 14.3 | 15.0 | 15.7 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 |
| 29 | 11.2 | 12.4 | 13.4 | 14.2 | 15.0 | 15.7 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 |
| 30 | 11.2 | 12.3 | 13.3 | 14.2 | 15.0 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 |
| 31 | 11.1 | 12.3 | 13.3 | 14.2 | 15.0 | 15.6 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 |
| 32 | 11.1 | 12.3 | 13.3 | 14.2 | 15.0 | 15.6 | 16.2 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.74

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 24.6 | 23.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.4 | 24.8 | 22.9 | 22.2 | 21.8 | 21.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 23.3 | 21.8 | 21.2 | 21.0 | 20.9 | 20.9 | 20.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.6 | 20.9 | 20.3 | 20.1 | 20.1 | 20.2 | 20.3 | 20.4 | 20.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 23.3 | 20.1 | 19.4 | 19.3 | 19.3 | 19.4 | 19.6 | 19.8 | 20.0 | 20.1 | 20.3 |
| 17 | 0. | 0. | 0. | 0. | 20.0 | 18.6 | 18.4 | 18.4 | 18.6 | 18.8 | 19.0 | 19.3 | 19.5 | 19.8 | 20.0 | 20.2 |
| 18 | 0. | 0. | 28.7 | 18.1 | 17.4 | 17.4 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 |
| 19 | 0. | 21.8 | 16.6 | 16.3 | 16.5 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 19.0 | 19.3 | 19.5 | 19.8 | 20.0 |
| 20 | 20.0 | 15.3 | 15.2 | 15.5 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.7 | 20.0 |
| 21 | 13.9 | 14.0 | 14.5 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 |
| 22 | 12.7 | 13.4 | 14.2 | 14.9 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 |
| 23 | 12.2 | 13.1 | 13.9 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 19.9 |
| 24 | 11.8 | 12.9 | 13.8 | 14.6 | 15.3 | 15.9 | 16.5 | 17.1 | 17.5 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 | 19.6 | 19.9 |
| 25 | 11.6 | 12.7 | 13.7 | 14.5 | 15.2 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 26 | 11.5 | 12.6 | 13.6 | 14.4 | 15.2 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 27 | 11.4 | 12.5 | 13.5 | 14.4 | 15.2 | 15.8 | 16.4 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 28 | 11.3 | 12.5 | 13.5 | 14.4 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 29 | 11.3 | 12.4 | 13.5 | 14.3 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 30 | 11.2 | 12.4 | 13.4 | 14.3 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 |
| 31 | 11.2 | 12.4 | 13.4 | 14.3 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 |
| 32 | 11.2 | 12.4 | 13.4 | 14.3 | 15.1 | 15.7 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.75

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 25.3 | 23.9 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 23.4 | 22.5 | 22.1 | 21.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.1 | 22.2 | 21.5 | 21.2 | 21.1 | 21.1 | 21.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 21.3 | 20.6 | 20.4 | 20.3 | 20.4 | 20.5 | 20.6 | 20.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 25.2 | 20.6 | 19.8 | 19.5 | 19.5 | 19.6 | 19.8 | 19.9 | 20.1 | 20.3 | 20.5 |
| 17 | 0. | 0. | 0. | 0. | 20.8 | 19.0 | 18.6 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 |
| 18 | 0. | 0. | 0. | 18.7 | 17.7 | 17.6 | 17.8 | 18.1 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.3 |
| 19 | 0. | 34.2 | 17.1 | 16.6 | 16.7 | 17.0 | 17.4 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.2 |
| 20 | 35.7 | 15.7 | 15.4 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.1 |
| 21 | 14.3 | 14.2 | 14.7 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.8 | 20.1 |
| 22 | 12.9 | 13.5 | 14.3 | 15.0 | 15.7 | 16.2 | 16.8 | 17.3 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 |
| 23 | 12.3 | 13.2 | 14.1 | 14.8 | 15.5 | 16.1 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 |
| 24 | 12.0 | 13.0 | 13.9 | 14.7 | 15.4 | 16.1 | 16.6 | 17.2 | 17.6 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 | 19.8 | 20.0 |
| 25 | 11.8 | 12.8 | 13.8 | 14.6 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 | 19.8 | 20.0 |
| 26 | 11.6 | 12.7 | 13.7 | 14.5 | 15.3 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.0 |
| 27 | 11.5 | 12.6 | 13.6 | 14.5 | 15.3 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 | 19.8 | 20.0 |
| 28 | 11.4 | 12.6 | 13.6 | 14.5 | 15.2 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 | 19.7 | 20.0 |
| 29 | 11.4 | 12.5 | 13.5 | 14.4 | 15.2 | 15.9 | 16.5 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 |
| 30 | 11.3 | 12.5 | 13.5 | 14.4 | 15.2 | 15.9 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 |
| 31 | 11.3 | 12.5 | 13.5 | 14.4 | 15.2 | 15.9 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 |
| 32 | 11.3 | 12.5 | 13.5 | 14.4 | 15.2 | 15.9 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.76

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.6 | 26.1 | 24.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 24.0 | 22.9 | 22.4 | 22.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 | 22.7 | 21.8 | 21.5 | 21.3 | 21.3 | 21.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 21.7 | 20.9 | 20.6 | 20.5 | 20.6 | 20.6 | 20.8 | 20.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 29.0 | 21.2 | 20.1 | 19.8 | 19.7 | 19.8 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 |
| 17 | 0. | 0. | 0. | 0. | 21.8 | 19.4 | 18.9 | 18.8 | 18.9 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 | 20.5 |
| 18 | 0. | 0. | 0. | 19.3 | 18.0 | 17.9 | 18.0 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.2 | 20.4 |
| 19 | 0. | 0. | 17.6 | 16.8 | 16.9 | 17.2 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.3 |
| 20 | 0. | 16.1 | 15.7 | 15.9 | 16.3 | 16.8 | 17.2 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.5 | 19.8 | 20.0 | 20.3 |
| 21 | 14.7 | 14.4 | 14.9 | 15.4 | 16.0 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 |
| 22 | 13.1 | 13.7 | 14.4 | 15.1 | 15.8 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.2 |
| 23 | 12.5 | 13.4 | 14.2 | 14.9 | 15.6 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 |
| 24 | 12.1 | 13.1 | 14.0 | 14.8 | 15.5 | 16.2 | 16.8 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 |
| 25 | 11.9 | 12.9 | 13.9 | 14.7 | 15.5 | 16.1 | 16.7 | 17.3 | 17.7 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 |
| 26 | 11.7 | 12.8 | 13.8 | 14.7 | 15.4 | 16.1 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 |
| 27 | 11.6 | 12.7 | 13.7 | 14.6 | 15.4 | 16.0 | 16.7 | 17.2 | 17.7 | 18.1 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 |
| 28 | 11.5 | 12.7 | 13.7 | 14.6 | 15.3 | 16.0 | 16.6 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 |
| 29 | 11.4 | 12.6 | 13.6 | 14.5 | 15.3 | 16.0 | 16.6 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 |
| 30 | 11.4 | 12.6 | 13.6 | 14.5 | 15.3 | 16.0 | 16.6 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 |
| 31 | 11.4 | 12.6 | 13.6 | 14.5 | 15.3 | 16.0 | 16.6 | 17.1 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.1 |
| 32 | 11.3 | 12.5 | 13.6 | 14.5 | 15.3 | 16.0 | 16.6 | 17.1 | 17.6 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.77

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 24.8 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 24.6 | 23.3 | 22.7 | 22.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.2 | 22.2 | 21.7 | 21.6 | 21.5 | 21.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 22.3 | 21.2 | 20.9 | 20.7 | 20.8 | 20.8 | 20.9 | 21.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 21.8 | 20.4 | 20.0 | 19.9 | 20.0 | 20.1 | 20.3 | 20.4 | 20.6 | 20.8 |
| 17 | 0. | 0. | 0. | 0. | 23.2 | 19.8 | 19.1 | 19.0 | 19.1 | 19.3 | 19.5 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 18 | 0. | 0. | 0. | 20.1 | 18.3 | 18.1 | 18.2 | 18.4 | 18.7 | 19.0 | 19.2 | 19.5 | 19.8 | 20.1 | 20.3 | 20.5 |
| 19 | 0. | 0. | 18.2 | 17.1 | 17.1 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 |
| 20 | 0. | 16.6 | 15.9 | 16.1 | 16.5 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 |
| 21 | 15.2 | 14.7 | 15.1 | 15.6 | 16.1 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 22 | 13.4 | 13.9 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 23 | 12.6 | 13.5 | 14.3 | 15.1 | 15.8 | 16.4 | 17.0 | 17.5 | 17.9 | 18.4 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.3 |
| 24 | 12.2 | 13.2 | 14.1 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 |
| 25 | 12.0 | 13.0 | 14.0 | 14.8 | 15.6 | 16.2 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 |
| 26 | 11.8 | 12.9 | 13.9 | 14.8 | 15.5 | 16.2 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 |
| 27 | 11.7 | 12.8 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 |
| 28 | 11.6 | 12.8 | 13.8 | 14.7 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 |
| 29 | 11.5 | 12.7 | 13.7 | 14.6 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.2 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 |
| 30 | 11.5 | 12.7 | 13.7 | 14.6 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 |
| 31 | 11.4 | 12.7 | 13.7 | 14.6 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 |
| 32 | 11.4 | 12.6 | 13.7 | 14.6 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.78

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 25.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 25.2 | 23.7 | 23.0 | 22.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.3 | 23.7 | 22.5 | 22.0 | 21.8 | 21.7 | 21.7 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 22.8 | 21.6 | 21.1 | 21.0 | 21.0 | 21.0 | 21.1 | 21.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 22.6 | 20.8 | 20.3 | 20.1 | 20.2 | 20.3 | 20.4 | 20.6 | 20.8 | 21.0 |
| 17 | 0. | 0. | 0. | 0. | 25.3 | 20.3 | 19.4 | 19.3 | 19.3 | 19.5 | 19.7 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 18 | 0. | 0. | 0. | 21.0 | 18.7 | 18.3 | 18.4 | 13.6 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.2 | 20.4 | 20.7 |
| 19 | 0. | 0. | 18.9 | 17.4 | 17.3 | 17.5 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 |
| 20 | 0. | 17.2 | 16.2 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 |
| 21 | 15.8 | 14.9 | 15.2 | 15.7 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 |
| 22 | 13.6 | 14.1 | 14.7 | 15.4 | 16.0 | 16.6 | 17.2 | 17.7 | 18.1 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 |
| 23 | 12.8 | 13.6 | 14.4 | 15.2 | 15.9 | 16.5 | 17.1 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 |
| 24 | 12.3 | 13.3 | 14.2 | 15.0 | 15.8 | 16.4 | 17.0 | 17.5 | 18.0 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 |
| 25 | 12.1 | 13.2 | 14.1 | 14.9 | 15.7 | 16.4 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.4 |
| 26 | 11.9 | 13.0 | 14.0 | 14.9 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.9 | 20.2 | 20.4 |
| 27 | 11.8 | 12.9 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 28 | 11.7 | 12.9 | 13.9 | 14.8 | 15.5 | 16.2 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 29 | 11.6 | 12.8 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 30 | 11.6 | 12.8 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 |
| 31 | 11.5 | 12.7 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.3 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 |
| 32 | 11.5 | 12.7 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.3 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.79

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 26.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.6 | 26.0 | 24.1 | 23.3 | 22.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 24.4 | 22.9 | 22.3 | 22.0 | 21.9 | 21.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.2 | 23.5 | 22.0 | 21.4 | 21.2 | 21.2 | 21.2 | 21.3 | 21.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 21.2 | 20.6 | 20.4 | 20.4 | 20.5 | 20.6 | 20.8 | 20.9 | 21.1 |
| 17 | 0. | 0. | 0. | 0. | 30.0 | 20.8 | 19.7 | 19.5 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 |
| 18 | 0. | 0. | 0. | 22.4 | 19.1 | 18.6 | 18.6 | 18.8 | 19.0 | 19.3 | 19.5 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 |
| 19 | 0. | 0. | 19.8 | 17.7 | 17.5 | 17.7 | 18.0 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 |
| 20 | 0. | 18.0 | 16.5 | 16.5 | 16.8 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.2 | 20.4 | 20.7 |
| 21 | 16.6 | 15.2 | 15.4 | 15.9 | 16.4 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 |
| 22 | 13.9 | 14.3 | 14.9 | 15.5 | 16.2 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.4 | 20.6 |
| 23 | 13.0 | 13.8 | 14.6 | 15.3 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 |
| 24 | 12.5 | 13.5 | 14.4 | 15.2 | 15.9 | 16.5 | 17.1 | 17.7 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 |
| 25 | 12.2 | 13.3 | 14.2 | 15.1 | 15.8 | 16.5 | 17.1 | 17.6 | 18.1 | 18.5 | 19.0 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 |
| 26 | 12.0 | 13.1 | 14.1 | 15.0 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 |
| 27 | 11.9 | 13.0 | 14.0 | 14.9 | 15.7 | 16.4 | 17.0 | 17.5 | 18.1 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 |
| 28 | 11.8 | 13.0 | 14.0 | 14.9 | 15.7 | 16.3 | 17.0 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.5 |
| 29 | 11.7 | 12.9 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.5 |
| 30 | 11.6 | 12.9 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.5 |
| 31 | 11.6 | 12.8 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.5 |
| 32 | 11.6 | 12.8 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.80

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 26.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 24.6 | 23.7 | 23.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.9 | 25.1 | 23.3 | 22.6 | 22.3 | 22.1 | 22.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 22.4 | 21.7 | 21.4 | 21.4 | 21.4 | 21.5 | 21.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 21.6 | 20.8 | 20.6 | 20.6 | 20.6 | 20.8 | 20.9 | 21.1 | 21.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 21.4 | 20.1 | 19.7 | 19.7 | 19.8 | 20.0 | 20.2 | 20.4 | 20.7 | 20.9 | 21.1 |
| 18 | 0. | 0. | 0. | 24.5 | 19.5 | 18.9 | 18.8 | 18.9 | 19.2 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 | 21.0 |
| 19 | 0. | 0. | 21.0 | 18.1 | 17.8 | 17.9 | 18.2 | 18.5 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.9 |
| 20 | 0. | 19.0 | 16.8 | 16.7 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 |
| 21 | 17.7 | 15.5 | 15.6 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 |
| 22 | 14.2 | 14.4 | 15.0 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 |
| 23 | 13.1 | 13.9 | 14.7 | 15.4 | 16.1 | 16.7 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.7 |
| 24 | 12.6 | 13.6 | 14.5 | 15.3 | 16.0 | 16.7 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 |
| 25 | 12.3 | 13.4 | 14.3 | 15.2 | 15.9 | 16.6 | 17.2 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 |
| 26 | 12.1 | 13.2 | 14.2 | 15.1 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.6 | 19.1 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 27 | 12.0 | 13.1 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 28 | 11.9 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 29 | 11.8 | 13.0 | 14.0 | 14.9 | 15.7 | 16.4 | 17.1 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 30 | 11.7 | 12.9 | 14.0 | 14.9 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 31 | 11.7 | 12.9 | 14.0 | 14.9 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 |
| 32 | 11.7 | 12.9 | 13.9 | 14.9 | 15.7 | 16.4 | 17.0 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.81

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.0 | 27.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 25.1 | 24.0 | 23.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 23.8 | 22.9 | 22.5 | 22.4 | 22.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 22.8 | 22.0 | 21.7 | 21.6 | 21.6 | 21.6 | 21.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 22.1 | 21.1 | 20.8 | 20.8 | 20.8 | 21.0 | 21.1 | 21.3 | 21.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 22.1 | 20.4 | 20.0 | 19.9 | 20.0 | 20.2 | 20.4 | 20.6 | 20.8 | 21.0 | 21.2 |
| 18 | 0. | 0. | 0. | 29.0 | 20.0 | 19.1 | 19.0 | 19.1 | 19.3 | 19.6 | 19.8 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 |
| 19 | 0. | 0. | 22.8 | 18.5 | 18.0 | 18.1 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.0 |
| 20 | 0. | 20.5 | 17.1 | 16.9 | 17.2 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 |
| 21 | 19.4 | 15.8 | 15.8 | 16.2 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 20.9 |
| 22 | 14.5 | 14.6 | 15.2 | 15.8 | 16.4 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 |
| 23 | 13.3 | 14.1 | 14.8 | 15.6 | 16.2 | 16.9 | 17.4 | 18.0 | 18.4 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 |
| 24 | 12.8 | 13.7 | 14.6 | 15.4 | 16.1 | 16.8 | 17.4 | 17.9 | 18.4 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.8 |
| 25 | 12.4 | 13.5 | 14.4 | 15.3 | 16.0 | 16.7 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 |
| 26 | 12.2 | 13.3 | 14.3 | 15.2 | 16.0 | 16.6 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 |
| 27 | 12.1 | 13.2 | 14.2 | 15.1 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.7 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 |
| 28 | 12.0 | 13.1 | 14.2 | 15.1 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.7 | 19.2 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 |
| 29 | 11.9 | 13.1 | 14.1 | 15.0 | 15.8 | 16.5 | 17.2 | 17.7 | 18.3 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 |
| 30 | 11.8 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.2 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 |
| 31 | 11.8 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 |
| 32 | 11.7 | 13.0 | 14.0 | 15.0 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.82

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 25.7 | 24.4 | 23.8 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.2 | 23.2 | 22.8 | 22.6 | 22.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.2 | 22.3 | 21.9 | 21.8 | 21.8 | 21.8 | 21.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 22.6 | 21.5 | 21.1 | 21.0 | 21.0 | 21.1 | 21.3 | 21.4 | 21.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 22.9 | 20.8 | 20.2 | 20.1 | 20.2 | 20.4 | 20.5 | 20.8 | 21.0 | 21.2 | 21.4 |
| 18 | 0. | 0. | 0. | 0. | 20.6 | 19.4 | 19.2 | 19.3 | 19.5 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 | 21.3 |
| 19 | 0. | 0. | 26.4 | 18.9 | 18.3 | 18.3 | 18.5 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 |
| 20 | 0. | 23.0 | 17.5 | 17.2 | 17.4 | 17.7 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |
| 21 | 22.8 | 16.2 | 16.0 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 |
| 22 | 14.8 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.7 | 18.2 | 18.6 | 19.1 | 19.5 | 19.8 | 20.1 | 20.5 | 20.8 | 21.0 |
| 23 | 13.5 | 14.2 | 15.0 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 |
| 24 | 12.9 | 13.8 | 14.7 | 15.5 | 16.2 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 |
| 25 | 12.5 | 13.6 | 14.5 | 15.4 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 |
| 26 | 12.3 | 13.4 | 14.4 | 15.3 | 16.1 | 16.7 | 17.4 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 |
| 27 | 12.2 | 13.3 | 14.3 | 15.2 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 20.9 |
| 28 | 12.0 | 13.2 | 14.3 | 15.2 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.8 | 19.3 | 19.7 | 20.0 | 20.3 | 20.7 | 20.9 |
| 29 | 12.0 | 13.2 | 14.2 | 15.1 | 15.9 | 16.6 | 17.3 | 17.8 | 18.4 | 18.8 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 |
| 30 | 11.9 | 13.1 | 14.2 | 15.1 | 15.9 | 16.6 | 17.3 | 17.8 | 18.4 | 18.8 | 19.3 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 |
| 31 | 11.8 | 13.1 | 14.1 | 15.1 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 |
| 32 | 11.8 | 13.1 | 14.1 | 15.1 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.83

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 26.4 | 24.8 | 24.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 24.8 | 23.6 | 23.1 | 22.8 | 22.7 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 23.8 | 22.6 | 22.2 | 22.0 | 22.0 | 22.0 | 22.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 35.9 | 23.2 | 21.8 | 21.3 | 21.2 | 21.2 | 21.3 | 21.4 | 21.6 | 21.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 24.0 | 21.2 | 20.5 | 20.4 | 20.4 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 |
| 18 | 0. | 0. | 0. | 0. | 21.2 | 19.7 | 19.5 | 19.5 | 19.7 | 19.9 | 20.2 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 |
| 19 | 0. | 0. | 0. | 19.4 | 18.5 | 18.5 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 |
| 20 | 0. | 31.8 | 17.9 | 17.4 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 |
| 21 | 0. | 16.6 | 16.3 | 16.6 | 17.0 | 17.5 | 18.0 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 |
| 22 | 15.2 | 15.0 | 15.5 | 16.1 | 16.7 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 |
| 23 | 13.7 | 14.4 | 15.1 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.1 |
| 24 | 13.0 | 14.0 | 14.8 | 15.6 | 16.3 | 17.0 | 17.6 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 |
| 25 | 12.7 | 13.7 | 14.7 | 15.5 | 16.2 | 16.9 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 |
| 26 | 12.4 | 13.5 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 |
| 27 | 12.3 | 13.4 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 |
| 28 | 12.1 | 13.3 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 |
| 29 | 12.0 | 13.3 | 14.3 | 15.2 | 16.0 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 |
| 30 | 12.0 | 13.2 | 14.3 | 15.2 | 16.0 | 16.7 | 17.4 | 17.9 | 18.5 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 |
| 31 | 11.9 | 13.2 | 14.2 | 15.2 | 16.0 | 16.7 | 17.4 | 17.9 | 18.5 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 |
| 32 | 11.9 | 13.1 | 14.2 | 15.1 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.31

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.2 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.7 | 27.1 | 25.2 | 24.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 25.4 | 24.0 | 23.4 | 23.1 | 22.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.6 | 24.3 | 23.0 | 22.4 | 22.2 | 22.2 | 22.2 | 22.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 22.2 | 21.6 | 21.4 | 21.4 | 21.5 | 21.6 | 21.7 | 21.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 25.4 | 21.6 | 20.8 | 20.6 | 20.6 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 |
| 18 | 0. | 0. | 0. | 0. | 21.9 | 20.1 | 19.7 | 19.7 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 19 | 0. | 0. | 0. | 19.9 | 18.8 | 18.7 | 18.9 | 19.1 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 |
| 20 | 0. | 0. | 18.4 | 17.7 | 17.7 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.4 |
| 21 | 0. | 17.0 | 16.5 | 16.7 | 17.2 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 | 21.3 |
| 22 | 15.7 | 15.3 | 15.7 | 16.3 | 16.8 | 17.4 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 |
| 23 | 13.9 | 14.5 | 15.2 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 24 | 13.2 | 14.1 | 15.0 | 15.7 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.7 | 21.0 | 21.2 |
| 25 | 12.8 | 13.8 | 14.8 | 15.6 | 16.4 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 |
| 26 | 12.5 | 13.6 | 14.6 | 15.5 | 16.3 | 17.0 | 17.6 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 |
| 27 | 12.3 | 13.5 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 |
| 28 | 12.2 | 13.4 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 |
| 29 | 12.1 | 13.4 | 14.4 | 15.3 | 16.1 | 16.9 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 |
| 30 | 12.1 | 13.3 | 14.4 | 15.3 | 16.1 | 16.8 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 |
| 31 | 12.0 | 13.3 | 14.3 | 15.3 | 16.1 | 16.8 | 17.5 | 18.0 | 18.6 | 19.0 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 |
| 32 | 12.0 | 13.2 | 14.3 | 15.2 | 16.1 | 16.8 | 17.4 | 18.0 | 18.6 | 19.0 | 19.5 | [illegible] | [illegible] | 20.6 | 20.9 | 21.2 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.85

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.0 | 25.7 | 24.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.4 | 26.0 | 24.4 | 23.6 | 23.3 | 23.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 25.0 | 23.4 | 22.7 | 22.5 | 22.4 | 22.4 | 22.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 22.6 | 21.9 | 21.6 | 21.6 | 21.7 | 21.8 | 21.9 | 22.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 27.7 | 22.1 | 21.1 | 20.8 | 20.8 | 20.9 | 21.0 | 21.2 | 21.4 | 21.6 | 21.8 |
| 18 | 0. | 0. | 0. | 0. | 22.9 | 20.4 | 19.9 | 19.9 | 20.0 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 | 21.7 |
| 19 | 0. | 0. | 0. | 20.6 | 19.1 | 18.9 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 |
| 20 | 0. | 0. | 18.9 | 17.9 | 17.9 | 18.2 | 18.6 | 18.9 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 |
| 21 | 0. | 17.5 | 16.7 | 16.9 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 |
| 22 | 16.2 | 15.5 | 15.9 | 16.4 | 17.0 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 | 21.4 |
| 23 | 14.2 | 14.7 | 15.4 | 16.1 | 16.7 | 17.4 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |
| 24 | 13.4 | 14.2 | 15.1 | 15.9 | 16.6 | 17.2 | 17.8 | 18.4 | 18.9 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |
| 25 | 12.9 | 13.9 | 14.9 | 15.7 | 16.5 | 17.1 | 17.8 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.3 |
| 26 | 12.6 | 13.7 | 14.7 | 15.6 | 16.4 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.7 | 20.1 | 20.4 | 20.7 | 21.1 | 21.3 |
| 27 | 12.4 | 13.6 | 14.6 | 15.5 | 16.3 | 17.0 | 17.7 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 28 | 12.3 | 13.5 | 14.6 | 15.5 | 16.3 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 29 | 12.2 | 13.4 | 14.5 | 15.4 | 16.2 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 30 | 12.1 | 13.4 | 14.5 | 15.4 | 16.2 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 31 | 12.1 | 13.3 | 14.4 | 15.4 | 16.2 | 16.9 | 17.6 | 18.2 | 18.7 | [illegible] | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |
| 32 | 12.0 | 13.3 | 14.4 | 15.3 | 16.2 | 16.9 | 17.6 | 18.1 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.86

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.6 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 26.2 | 25.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.3 | 26.8 | 24.8 | 24.0 | 23.6 | 23.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 23.7 | 23.0 | 22.7 | 22.6 | 22.6 | 22.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 23.0 | 22.2 | 21.9 | 21.8 | 21.8 | 21.9 | 22.1 | 22.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 32.2 | 22.6 | 21.4 | 21.0 | 21.0 | 21.1 | 21.2 | 21.4 | 21.6 | 21.8 | 22.0 |
| 18 | 0. | 0. | 0. | 0. | 24.1 | 20.8 | 20.2 | 20.1 | 20.2 | 20.4 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 | 21.8 |
| 19 | 0. | 0. | 0. | 21.4 | 19.4 | 19.1 | 19.2 | 19.5 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 |
| 20 | 0. | 0. | 19.6 | 18.2 | 18.1 | 18.4 | 18.7 | 19.1 | 19.5 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 | 21.4 | 1.6 |
| 21 | 0. | 18.1 | 17.0 | 17.1 | 17.5 | 17.9 | 18.4 | 18.8 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 |
| 22 | 16.9 | 15.8 | 16.0 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.6 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.5 |
| 23 | 14.4 | 14.8 | 15.5 | 16.2 | 16.9 | 17.5 | 18.0 | 18.6 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 |
| 24 | 13.5 | 14.4 | 15.2 | 16.0 | 16.7 | 17.3 | 17.9 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 |
| 25 | 13.0 | 14.1 | 15.0 | 15.8 | 16.6 | 17.3 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 |
| 26 | 12.7 | 13.9 | 14.8 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 |
| 27 | 12.5 | 13.7 | 14.7 | 15.6 | 16.4 | 17.1 | 17.8 | 18.3 | 18.9 | 19.3 | 19.8 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 |
| 28 | 12.4 | 13.6 | 14.7 | 15.6 | 16.4 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.4 |
| 29 | 12.3 | 13.5 | 14.6 | 15.5 | 16.3 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |
| 30 | 12.2 | 13.5 | 14.5 | 15.5 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |
| 31 | 12.2 | 13.4 | 14.5 | 15.5 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |
| 32 | 12.1 | 13.4 | 14.5 | 15.4 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.87

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 26.8 | 25.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 25.2 | 24.3 | 23.8 | 23.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 24.2 | 23.3 | 22.9 | 22.8 | 22.8 | 22.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 23.4 | 22.5 | 22.1 | 22.0 | 22.0 | 22.1 | 22.2 | 22.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 21.7 | 21.3 | 21.2 | 21.2 | 21.4 | 21.5 | 21.7 | 21.9 | 22.1 |
| 18 | 0. | 0. | 0. | 0. | 25.8 | 21.2 | 20.5 | 20.3 | 20.4 | 20.6 | 20.8 | 21.0 | 21.3 | 21.5 | 21.7 | 22.0 |
| 19 | 0. | 0. | 0. | 22.3 | 19.8 | 19.4 | 19.4 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 |
| 20 | 0. | 0. | 20.3 | 18.5 | 18.3 | 18.5 | 18.9 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 |
| 21 | 0. | 18.8 | 17.3 | 17.3 | 17.7 | 18.1 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.2 | 21.4 | 21.7 |
| 22 | 17.7 | 16.0 | 16.2 | 16.7 | 17.2 | 17.8 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 |
| 23 | 14.7 | 15.0 | 15.7 | 16.3 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.6 |
| 24 | 13.7 | 14.5 | 15.3 | 16.1 | 16.8 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 |
| 25 | 13.2 | 14.2 | 15.1 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 |
| 26 | 12.9 | 14.0 | 14.9 | 15.8 | 16.6 | 17.3 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 |
| 27 | 12.6 | 13.8 | 14.8 | 15.7 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.4 | 19.9 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 |
| 28 | 12.5 | 13.7 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.9 | 19.4 | 19.9 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 |
| 29 | 12.4 | 13.6 | 14.7 | 15.6 | 16.4 | 17.2 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 |
| 30 | 12.3 | 13.6 | 14.6 | 15.6 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 |
| 31 | 12.2 | 13.5 | 14.6 | 15.5 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 |
| 32 | 12.2 | 13.5 | 14.6 | 15.5 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.88

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 | 27.4 | 25.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 25.7 | 24.6 | 24.1 | 23.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 24.6 | 23.6 | 23.2 | 23.0 | 23.0 | 23.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 23.9 | 22.8 | 22.4 | 22.2 | 22.2 | 22.3 | 22.4 | 22.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 22.1 | 21.5 | 21.4 | 21.4 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 |
| 18 | 0. | 0. | 0. | 0. | 28.6 | 21.7 | 20.7 | 20.5 | 20.6 | 20.7 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 | 22.1 |
| 19 | 0. | 0. | 0. | 23.6 | 20.2 | 19.6 | 19.6 | 19.8 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 20 | 0. | 0. | 21.3 | 18.8 | 18.6 | 18.7 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 |
| 21 | 0. | 19.7 | 17.6 | 17.5 | 17.8 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 22 | 18.8 | 16.3 | 16.4 | 16.9 | 17.4 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 |
| 23 | 15.0 | 15.2 | 15.8 | 16.5 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 |
| 24 | 13.9 | 14.6 | 15.4 | 16.2 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 |
| 25 | 13.3 | 14.3 | 15.2 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 |
| 26 | 13.0 | 14.1 | 15.0 | 15.9 | 16.7 | 17.4 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 |
| 27 | 12.7 | 13.9 | 14.9 | 15.8 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 |
| 28 | 12.6 | 13.8 | 14.8 | 15.8 | 16.6 | 17.3 | 18.0 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 |
| 29 | 12.5 | 13.7 | 14.8 | 15.7 | 16.5 | 17.3 | 17.9 | 18.5 | 19.0 | 19.5 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 |
| 30 | 12.4 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 |
| 31 | 12.3 | 13.6 | 14.7 | 15.6 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 |
| 32 | 12.3 | 13.6 | 14.7 | 15.6 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.89

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.5 | 28.1 | 26.3 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 26.3 | 25.0 | 24.4 | 24.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 25.1 | 23.9 | 23.4 | 23.2 | 23.2 | 23.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 24.5 | 23.1 | 22.6 | 22.4 | 22.4 | 22.5 | 22.6 | 22.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 22.4 | 21.8 | 21.6 | 21.6 | 21.7 | 21.9 | 22.0 | 22.2 | 22.4 |
| 18 | 0. | 0. | 0. | 0. | 37.5 | 22.2 | 21.0 | 20.7 | 20.8 | 20.9 | 21.1 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 |
| 19 | 0. | 0. | 0. | 25.5 | 20.6 | 19.9 | 19.8 | 20.0 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 | 21.9 | 22.1 |
| 20 | 0. | 0. | 22.6 | 19.2 | 18.8 | 18.9 | 19.2 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 |
| 21 | 0. | 21.0 | 17.9 | 17.7 | 18.0 | 18.4 | 18.8 | 19.2 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 |
| 22 | 20.5 | 16.6 | 16.6 | 17.0 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.7 | 21.9 |
| 23 | 15.3 | 15.4 | 16.0 | 16.6 | 17.2 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |
| 24 | 14.0 | 14.8 | 15.6 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 |
| 25 | 13.4 | 14.4 | 15.3 | 16.2 | 16.9 | 17.6 | 18.2 | 18.8 | 19.3 | 19.7 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 |
| 26 | 13.1 | 14.2 | 15.2 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 |
| 27 | 12.8 | 14.0 | 15.0 | 15.9 | 16.7 | 17.5 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 |
| 28 | 12.7 | 13.9 | 14.9 | 15.9 | 16.7 | 17.4 | 18.1 | 18.6 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 |
| 29 | 12.6 | 13.8 | 14.9 | 15.8 | 16.6 | 17.4 | 18.0 | 18.6 | 19.2 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 |
| 30 | 12.5 | 13.7 | 14.8 | 15.8 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 |
| 31 | 12.4 | 13.7 | 14.8 | 15.7 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 |
| 32 | 12.4 | 13.6 | 14.7 | 15.7 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.90

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.6 | 28.9 | 26.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 26.9 | 25.3 | 24.6 | 24.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 25.7 | 24.3 | 23.7 | 23.5 | 23.4 | 23.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.4 | 25.1 | 23.5 | 22.9 | 22.6 | 22.6 | 22.6 | 22.7 | 22.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 22.8 | 22.1 | 21.8 | 21.8 | 21.9 | 22.0 | 22.2 | 22.4 | 22.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 22.8 | 21.3 | 21.0 | 20.9 | 21.1 | 21.2 | 21.5 | 21.7 | 21.9 | 22.2 | 22.4 |
| 19 | 0. | 0. | 0. | 29.1 | 21.0 | 20.1 | 20.0 | 20.1 | 20.4 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.3 |
| 20 | 0. | 0. | 24.6 | 19.5 | 19.0 | 19.1 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.9 | 22.2 |
| 21 | 0. | 22.9 | 18.2 | 17.9 | 18.2 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 |
| 22 | 24.0 | 16.9 | 16.8 | 17.2 | 17.7 | 18.2 | 18.7 | 19.2 | 19.6 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 |
| 23 | 15.6 | 15.6 | 16.1 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 |
| 24 | 14.2 | 14.9 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 |
| 25 | 13.6 | 14.5 | 15.4 | 16.3 | 17.0 | 17.7 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 |
| 26 | 13.2 | 14.3 | 15.3 | 16.1 | 16.9 | 17.6 | 18.3 | 18.8 | 19.3 | 19.8 | 20.3 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 |
| 27 | 12.9 | 14.1 | 15.1 | 16.0 | 16.8 | 17.6 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.7 | 22.0 |
| 28 | 12.8 | 14.0 | 15.0 | 16.0 | 16.8 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |
| 29 | 12.6 | 13.9 | 15.0 | 15.9 | 16.7 | 17.5 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |
| 30 | 12.6 | 13.8 | 14.9 | 15.9 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |
| 31 | 12.5 | 13.8 | 14.9 | 15.8 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |
| 32 | 12.4 | 13.7 | 14.8 | 15.8 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

### YARN BULK DENSITY =0.91

### THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 | 27.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.3 | 27.6 | 25.7 | 24.9 | 24.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.2 | 26.3 | 24.7 | 24.0 | 23.7 | 23.6 | 23.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 23.8 | 23.1 | 22.9 | 22.8 | 22.8 | 22.9 | 23.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 27.2 | 23.3 | 22.3 | 22.0 | 22.0 | 22.1 | 22.2 | 22.3 | 22.5 | 22.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 23.5 | 21.7 | 21.2 | 21.1 | 21.2 | 21.4 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 |
| 19 | 0. | 0. | 0. | 0. | 21.5 | 20.4 | 20.2 | 20.3 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 | 21.9 | 22.1 | 22.4 |
| 20 | 0. | 0. | 28.6 | 20.0 | 19.3 | 19.3 | 19.5 | 19.8 | 20.2 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 |
| 21 | 0. | 26.9 | 18.6 | 18.2 | 18.3 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 |
| 22 | 0. | 17.3 | 17.0 | 17.3 | 17.8 | 18.3 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 |
| 23 | 16.0 | 15.8 | 16.3 | 16.9 | 17.5 | 18.1 | 18.7 | 19.2 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.6 | 21.9 | 22.1 |
| 24 | 14.4 | 15.1 | 15.8 | 16.6 | 17.3 | 17.9 | 18.5 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 |
| 25 | 13.7 | 14.7 | 15.6 | 16.4 | 17.1 | 17.8 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 |
| 26 | 13.3 | 14.4 | 15.4 | 16.2 | 17.0 | 17.7 | 18.4 | 18.9 | 19.5 | 19.9 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.1 |
| 27 | 13.0 | 14.2 | 15.2 | 16.1 | 16.9 | 17.7 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 |
| 28 | 12.9 | 14.1 | 15.1 | 16.1 | 16.9 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 |
| 29 | 12.7 | 14.0 | 15.1 | 16.0 | 16.8 | 17.6 | 18.2 | 18.8 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 |
| 30 | 12.6 | 13.9 | 15.0 | 16.0 | 16.8 | 17.5 | 18.2 | 18.8 | 19.4 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 |
| 31 | 12.6 | 13.9 | 15.0 | 15.9 | 16.8 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 |
| 32 | 12.5 | 13.8 | 14.9 | 15.9 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.92

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.1 | 27.8 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 28.3 | 26.2 | 25.2 | 24.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 27.1 | 25.0 | 24.3 | 23.9 | 23.8 | 23.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 24.2 | 23.4 | 23.1 | 23.0 | 23.0 | 23.1 | 23.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 23.8 | 22.6 | 22.3 | 22.2 | 22.2 | 22.4 | 22.5 | 22.7 | 22.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 24.3 | 22.0 | 21.4 | 21.3 | 21.4 | 21.6 | 21.8 | 22.0 | 22.2 | 22.4 | 22.7 |
| 19 | 0. | 0. | 0. | 0. | 22.1 | 20.7 | 20.4 | 20.5 | 20.7 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 |
| 20 | 0. | 0. | 0. | 20.4 | 19.5 | 19.5 | 19.7 | 20.0 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 21 | 0. | 0. | 19.0 | 18.4 | 18.5 | 18.8 | 19.2 | 19.6 | 20.1 | 20.4 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 |
| 22 | 0. | 17.7 | 17.2 | 17.5 | 18.0 | 18.5 | 19.0 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 |
| 23 | 16.5 | 16.0 | 16.4 | 17.0 | 17.6 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 |
| 24 | 14.7 | 15.2 | 16.0 | 16.7 | 17.4 | 18.0 | 18.6 | 19.2 | 19.7 | 20.1 | 20.6 | 21.0 | 21.3 | 21.6 | 22.0 | 22.2 |
| 25 | 13.9 | 14.8 | 15.7 | 16.5 | 17.2 | 17.9 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 |
| 26 | 13.4 | 14.5 | 15.5 | 16.3 | 17.1 | 17.8 | 18.5 | 19.0 | 19.6 | 20.0 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 |
| 27 | 13.2 | 14.3 | 15.3 | 16.2 | 17.0 | 17.8 | 18.4 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.6 | 21.9 | 22.2 |
| 28 | 13.0 | 14.2 | 15.2 | 16.2 | 17.0 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 |
| 29 | 12.8 | 14.1 | 15.2 | 16.1 | 16.9 | 17.7 | 18.3 | 18.9 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 |
| 30 | 12.7 | 14.0 | 15.1 | 16.1 | 16.9 | 17.6 | 18.3 | 18.9 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 |
| 31 | 12.6 | 13.9 | 15.0 | 16.0 | 16.9 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 |
| 32 | 12.6 | 13.9 | 15.0 | 16.0 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.93

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.7 | 28.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 26.6 | 25.6 | 25.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 25.5 | 24.6 | 24.2 | 24.0 | 23.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 24.7 | 23.7 | 23.3 | 23.2 | 23.2 | 23.2 | 23.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 24.3 | 22.9 | 22.5 | 22.4 | 22.4 | 22.5 | 22.7 | 22.8 | 23.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 25.4 | 22.4 | 21.7 | 21.5 | 21.6 | 21.7 | 21.9 | 22.1 | 22.4 | 22.6 | 22.8 |
| 19 | 0. | 0. | 0. | 0. | 22.7 | 21.0 | 20.6 | 20.7 | 20.8 | 21.1 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 |
| 20 | 0. | 0. | 0 | 20.9 | 19.8 | 19.7 | 19.8 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 21 | 0. | 0. | 19.5 | 18.6 | 18.7 | 19.0 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.5 |
| 22 | 0. | 18.2 | 17.5 | 17.7 | 18.1 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.4 |
| 23 | 17.0 | 16.2 | 16.6 | 17.2 | 17.8 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 |
| 24 | 14.9 | 15.4 | 16.1 | 16.8 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 | 22.4 |
| 25 | 14.0 | 14.9 | 15.8 | 16.6 | 17.4 | 18.0 | 18.7 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.1 | 22.4 |
| 26 | 13.6 | 14.6 | 15.6 | 16.5 | 17.2 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 |
| 27 | 13.3 | 14.4 | 15.4 | 16.3 | 17.2 | 17.9 | 18.5 | 19.1 | 19.6 | 20.1 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 |
| 28 | 13.1 | 14.3 | 15.3 | 16.3 | 17.1 | 17.8 | 18.5 | 19.1 | 19.6 | 20.1 | 20.6 | 21.0 | 21.3 | 21.7 | 22.0 | 22.3 |
| 29 | 12.9 | 14.2 | 15.2 | 16.2 | 17.0 | 17.8 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 |
| 30 | 12.8 | 14.1 | 15.2 | 16.1 | 17.0 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 |
| 31 | 12.7 | 14.0 | 15.1 | 16.1 | 17.0 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 |
| 32 | 12.7 | 14.0 | 15.1 | 16.1 | 16.9 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.94

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.9 | 29.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 27.1 | 25.9 | 25.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 25.9 | 24.9 | 24.4 | 24.2 | 24.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 25.1 | 24.0 | 23.6 | 23.4 | 23.4 | 23.4 | 23.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 24.9 | 23.3 | 22.7 | 22.6 | 22.6 | 22.7 | 22.8 | 23.0 | 23.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 26.7 | 22.8 | 22.0 | 21.8 | 21.8 | 21.9 | 22.1 | 22.3 | 22.5 | 22.7 | 22.9 |
| 19 | 0. | 0. | 0. | 0. | 23.5 | 21.3 | 20.9 | 20.9 | 21.0 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 | 22.8 |
| 20 | 0. | 0. | 0. | 21.5 | 20.1 | 19.9 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.6 | 21.9 | 22.1 | 22.4 | 22.7 |
| 21 | 0. | 0. | 20.0 | 18.9 | 18.9 | 19.2 | 19.5 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.1 | 22.3 | 22.6 |
| 22 | 0. | 18.7 | 17.7 | 17.9 | 18.3 | 18.7 | 19.2 | 19.7 | 20.1 | 20.6 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 |
| 23 | 17.6 | 16.5 | 16.8 | 17.3 | 17.9 | 18.5 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 |
| 24 | 15.1 | 15.6 | 16.2 | 17.0 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 |
| 25 | 14.2 | 15.0 | 15.9 | 16.7 | 17.5 | 18.1 | 18.8 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 |
| 26 | 13.7 | 14.7 | 15.7 | 16.6 | 17.3 | 18.1 | 18.7 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 |
| 27 | 13.4 | 14.5 | 15.5 | 16.4 | 17.3 | 18.0 | 18.6 | 19.2 | 19.8 | 20.2 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 |
| 28 | 13.2 | 14.4 | 15.4 | 16.4 | 17.2 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 |
| 29 | 13.0 | 14.3 | 15.3 | 16.3 | 17.1 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.1 | 21.4 | 21.8 | 22.1 | 22.4 |
| 30 | 12.9 | 14.2 | 15.3 | 16.2 | 17.1 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.1 | 21.4 | 21.8 | 22.1 | 22.4 |
| 31 | 12.8 | 14.1 | 15.2 | 16.2 | 17.1 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 |
| 32 | 12.7 | 14.1 | 15.2 | 16.2 | 17.0 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 |

32 12.7 14.1 15.2 16.2 17.0 17.8 18.5 19.1 19.7 20.2 20.6 21.0 21.4 21.8 22.1 22.4

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.00

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 28.4 | 27.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 | 27.1 | 26.0 | 25.5 | 25.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.5 | 26.2 | 25.2 | 24.7 | 24.5 | 24.5 | 24.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 25.8 | 24.4 | 23.9 | 23.7 | 23.7 | 23.8 | 23.9 | 24.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.8 | 23.1 | 22.9 | 22.9 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 23.9 | 22.4 | 22.1 | 22.1 | 22.2 | 22.4 | 22.6 | 22.9 | 23.1 | 23.3 | 23.6 |
| 20 | 0. | 0. | 0. | 32.3 | 22.2 | 21.3 | 21.1 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 | 23.2 | 23.5 |
| 21 | 0. | 0. | 28.3 | 20.8 | 20.1 | 20.2 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 |
| 22 | 0. | 29.1 | 19.5 | 19.0 | 19.2 | 19.6 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 23 | 0. | 18.3 | 17.9 | 18.2 | 18.7 | 19.2 | 19.8 | 20.3 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 |
| 24 | 17.1 | 16.7 | 17.1 | 17.7 | 19.4 | 19.0 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 |
| 25 | 15.3 | 15.9 | 16.7 | 17.4 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 |
| 26 | 14.5 | 15.4 | 16.4 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.5 | 20.9 | 21.4 | 21.8 | 22.2 | 22.5 | 22.9 | 23.2 |
| 27 | 14.0 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.5 | 22.9 | 23.2 |
| 28 | 13.7 | 14.9 | 16.0 | 16.9 | 17.8 | 18.5 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.8 | 22.1 | 22.5 | 22.8 | 23.1 |
| 29 | 13.5 | 14.8 | 15.9 | 16.9 | 17.7 | 18.5 | 19.2 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 |
| 30 | 13.4 | 14.7 | 15.8 | 16.8 | 17.7 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 |
| 31 | 13.3 | 14.6 | 15.8 | 16.7 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 |
| 32 | 13.2 | 14.5 | 15.7 | 16.7 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.36

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.0 | 35.4 | 32.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.7 | 31.9 | 30.7 | 30.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.3 | 31.4 | 30.0 | 29.4 | 29.1 | 29.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.5 | 31.5 | 29.5 | 28.7 | 28.4 | 28.3 | 28.3 | 28.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.0 | 29.3 | 28.1 | 27.6 | 27.5 | 27.5 | 27.6 | 27.8 | 28.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 30.8 | 27.8 | 27.0 | 26.7 | 26.7 | 26.8 | 27.0 | 27.2 | 27.5 | 27.7 |
| 22 | 0. | 0. | 0. | 0. | 0. | 28.8 | 26.5 | 25.9 | 25.8 | 26.0 | 26.2 | 26.4 | 26.7 | 27.0 | 27.3 | 27.5 |
| 23 | 0. | 0. | 0. | 0. | 27.3 | 25.3 | 24.9 | 25.0 | 25.2 | 25.5 | 25.8 | 26.1 | 26.5 | 26.8 | 27.1 | 27.4 |
| 24 | 0. | 0. | 0. | 26.2 | 24.2 | 24.0 | 24.1 | 24.4 | 24.8 | 25.2 | 25.6 | 25.9 | 26.3 | 26.6 | 27.0 | 27.3 |
| 25 | 0. | 0. | 25.4 | 23.1 | 22.9 | 23.2 | 23.6 | 24.0 | 24.5 | 24.9 | 25.4 | 25.8 | 26.2 | 26.5 | 26.9 | 27.2 |
| 26 | 0. | 25.5 | 22.0 | 21.9 | 22.2 | 22.7 | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 | 25.7 | 26.1 | 26.5 | 26.8 | 27.2 |
| 27 | 32.0 | 20.9 | 20.7 | 21.1 | 21.7 | 22.4 | 23.0 | 23.6 | 24.1 | 24.7 | 25.1 | 25.6 | 26.0 | 26.4 | 26.8 | 27.1 |
| 28 | 19.9 | 19.4 | 20.0 | 20.7 | 21.4 | 22.1 | 22.8 | 23.4 | 24.0 | 24.6 | 25.1 | 25.5 | 26.0 | 26.4 | 26.7 | 27.1 |
| 29 | 18.0 | 18.6 | 19.5 | 20.4 | 21.2 | 22.0 | 22.7 | 23.3 | 23.9 | 24.5 | 25.0 | 25.5 | 25.9 | 26.3 | 26.7 | 27.1 |
| 30 | 17.1 | 18.1 | 19.2 | 20.1 | 21.0 | 21.8 | 22.6 | 23.3 | 23.9 | 24.4 | 25.0 | 25.4 | 25.9 | 26.3 | 26.7 | 27.0 |
| 31 | 16.6 | 17.8 | 18.9 | 20.0 | 20.9 | 21.7 | 22.5 | 23.2 | 23.8 | 24.4 | 24.9 | 25.4 | 25.9 | 26.3 | 26.7 | 27.0 |
| 32 | 16.2 | 17.6 | 18.8 | 19.8 | 20.8 | 21.7 | 22.4 | 23.1 | 23.8 | 24.4 | 24.9 | 25.4 | 25.8 | 26.3 | 26.6 | 27.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.48

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.0 | 34.7 | 33.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.4 | 34.2 | 32.3 | 31.5 | 31.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 | 31.9 | 30.8 | 30.4 | 30.2 | 30.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.1 | 31.9 | 30.3 | 29.7 | 29.4 | 29.4 | 29.4 | 29.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 30.1 | 29.1 | 28.7 | 28.6 | 28.6 | 28.8 | 28.9 | 29.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 28.7 | 28.0 | 27.8 | 27.8 | 28.0 | 28.2 | 28.4 | 28.6 | 28.9 |
| 23 | 0. | 0. | 0. | 0. | 0. | 29.7 | 27.5 | 27.0 | 26.9 | 27.1 | 27.3 | 27.5 | 27.8 | 28.1 | 28.4 | 28.7 |
| 24 | 0. | 0. | 0. | 0. | 28.5 | 26.4 | 26.0 | 26.1 | 26.3 | 26.6 | 26.9 | 27.3 | 27.6 | 27.9 | 28.3 | 28.6 |
| 25 | 0. | 0. | 0. | 27.5 | 25.4 | 25.0 | 25.2 | 25.5 | 25.9 | 26.3 | 26.7 | 27.1 | 27.4 | 27.8 | 28.1 | 28.5 |
| 26 | 0. | 0. | 27.1 | 24.3 | 24.0 | 24.2 | 24.6 | 25.1 | 25.6 | 26.0 | 26.5 | 26.9 | 27.3 | 27.7 | 28.1 | 28.4 |
| 27 | 0. | 28.2 | 23.2 | 22.9 | 23.2 | 23.7 | 24.3 | 24.8 | 25.4 | 25.9 | 26.4 | 26.8 | 27.2 | 27.6 | 28.0 | 28.3 |
| 28 | 0. | 22.2 | 21.8 | 22.1 | 22.7 | 23.4 | 24.0 | 24.6 | 25.2 | 25.7 | 26.2 | 26.7 | 27.2 | 27.6 | 27.9 | 28.3 |
| 29 | 21.5 | 20.5 | 20.9 | 21.6 | 22.4 | 23.1 | 23.8 | 24.5 | 25.1 | 25.6 | 26.2 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |
| 30 | 19.1 | 19.6 | 20.4 | 21.3 | 22.2 | 23.0 | 23.7 | 24.4 | 25.0 | 25.6 | 26.1 | 26.6 | 27.0 | 27.5 | 27.9 | 28.2 |
| 31 | 18.1 | 19.0 | 20.1 | 21.1 | 22.0 | 22.8 | 23.6 | 24.3 | 24.9 | 25.5 | 26.1 | 26.6 | 27.0 | 27.4 | 27.8 | 28.2 |
| 32 | 17.4 | 18.7 | 19.8 | 20.9 | 21.8 | 22.7 | 23.5 | 24.2 | 24.9 | 25.5 | 26.0 | 26.5 | 27.0 | 27.4 | 27.8 | 28.2 |
| 33 | 17.0 | 18.4 | 19.6 | 20.7 | 21.7 | 22.6 | 23.4 | 24.2 | 24.8 | 25.4 | 26.0 | 26.5 | 27.0 | 27.4 | 27.8 | 28.2 |
| 34 | 16.7 | 18.2 | 19.5 | 20.6 | 21.6 | 22.6 | 23.4 | 24.1 | 24.8 | 25.4 | 26.0 | 26.5 | 26.9 | 27.4 | 27.8 | 28.2 |
| 35 | 16.5 | 18.0 | 19.4 | 20.5 | 21.6 | 22.5 | 23.3 | 24.1 | 24.8 | 25.4 | 25.9 | 26.4 | 26.9 | 27.4 | 27.8 | 28.1 |
| 36 | 16.4 | 17.9 | 19.3 | 20.5 | 21.5 | 22.5 | 23.3 | 24.0 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.4 | 27.8 | 28.1 |
| 37 | 16.2 | 17.8 | 19.2 | 20.4 | 21.5 | 22.4 | 23.3 | 24.0 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.3 | 27.8 | 28.1 |
| 38 | 16.1 | 17.8 | 19.1 | 20.4 | 21.4 | 22.4 | 23.2 | 24.0 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 |
| 39 | 16.1 | 17.7 | 19.1 | 20.3 | 21.4 | 22.4 | 23.2 | 24.0 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 |
| 40 | 16.0 | 17.6 | 19.1 | 20.3 | 21.4 | 22.3 | 23.2 | 24.0 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.50

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.6 | 35.6 | 33.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.1 | 35.2 | 32.9 | 32.0 | 31.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.9 | 32.5 | 31.3 | 30.7 | 30.5 | 30.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.8 | 32.8 | 30.8 | 30.1 | 29.8 | 29.7 | 29.7 | 29.8 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.7 | 30.8 | 29.5 | 29.0 | 28.9 | 28.9 | 29.0 | 29.2 | 29.4 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 32.8 | 29.3 | 28.4 | 28.1 | 28.1 | 28.2 | 28.4 | 28.6 | 28.9 | 29.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 31.0 | 28.1 | 27.4 | 27.2 | 27.3 | 27.5 | 27.8 | 28.1 | 28.4 | 28.6 | 28.9 |
| 24 | 0. | 0. | 0. | 0. | 29.7 | 26.9 | 26.4 | 26.4 | 26.5 | 26.8 | 27.2 | 27.5 | 27.8 | 28.2 | 28.5 | 28.8 |
| 25 | 0. | 0. | 0. | 28.9 | 25.9 | 25.4 | 25.5 | 25.7 | 26.1 | 26.5 | 26.9 | 27.3 | 27.7 | 28.0 | 28.4 | 28.7 |
| 26 | 0. | 0. | 28.9 | 24.8 | 24.3 | 24.5 | 24.9 | 25.3 | 25.8 | 26.3 | 26.7 | 27.1 | 27.5 | 27.9 | 28.3 | 28.6 |
| 27 | 0. | 32.7 | 23.8 | 23.3 | 23.[illegible] | 24.0 | 24.5 | 25.0 | 25.6 | 26.1 | 26.6 | 27.0 | 27.4 | 27.8 | 28.2 | 28.5 |
| 28 | 0. | 22.9 | 22.1 | 22.4 | 23.0 | 23.6 | 24.2 | 24.8 | 25.4 | 25.9 | 26.4 | 26.9 | 27.3 | 27.8 | 28.1 | 28.5 |
| 29 | 22.6 | 20.9 | 21.2 | 21.9 | 22.6 | 23.3 | 24.0 | 24.7 | 25.3 | 25.8 | 26.4 | 26.8 | 27.3 | 27.7 | 28.1 | 28.5 |
| 30 | 19.6 | 19.9 | 20.6 | 21.5 | 22.4 | 23.1 | 23.9 | 24.6 | 25.2 | 25.8 | 26.3 | 26.8 | 27.2 | 27.7 | 28.1 | 28.4 |
| 31 | 18.4 | 19.3 | 20.3 | 21.2 | 22.2 | 23.0 | 23.8 | 24.5 | 25.1 | 25.7 | 26.2 | 26.7 | 27.2 | 27.6 | 28.0 | 28.4 |
| 32 | 17.7 | 18.9 | 20.0 | 21.1 | 22.0 | 22.9 | 23.7 | 24.4 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.6 | 28.0 | 28.4 |
| 33 | 17.2 | 18.6 | 19.8 | 20.9 | 21.9 | 22.8 | 23.6 | 24.3 | 25.0 | 25.6 | 26.2 | 26.7 | 27.1 | 27.6 | 28.0 | 28.4 |
| 34 | 16.9 | 18.4 | 19.6 | 20.8 | 21.8 | 22.7 | 23.5 | 24.3 | 25.0 | 25.6 | 26.1 | 26.7 | 27.1 | 27.6 | 28.0 | 28.4 |
| 35 | 16.7 | 18.2 | 19.5 | 20.7 | 21.7 | 22.7 | 23.5 | 24.2 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.6 | 28.0 | 28.3 |
| 36 | 16.5 | 18.1 | 19.4 | 20.6 | 21.7 | 22.6 | 23.5 | 24.2 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |
| 37 | 16.4 | 18.0 | 19.4 | 20.6 | 21.6 | 22.6 | 23.4 | 24.2 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |
| 38 | 16.3 | 17.9 | 19.3 | 20.5 | 21.6 | 22.5 | 23.4 | 24.2 | 24.[illegible] | 25.5 | 26.1 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |
| 39 | 16.2 | 17.8 | 19.2 | 20.5 | 21.6 | 22.5 | 23.4 | 24.1 | 24.8 | 25.5 | 26.1 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |
| 40 | 16.1 | 17.8 | 19.2 | 20.4 | 21.5 | 22.5 | 23.4 | 24.1 | 24.8 | 25.5 | 26.0 | 26.6 | 27.1 | 27.5 | 27.9 | 28.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.77

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.7 | 38.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.3 | 38.4 | 36.2 | 35.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.3 | 35.9 | 34.5 | 33.9 | 33.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.2 | 36.2 | 34.2 | 33.3 | 32.9 | 32.8 | 32.8 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.3 | 34.3 | 32.8 | 32.3 | 32.1 | 32.0 | 32.1 | 32.2 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.5 | 32.8 | 31.7 | 31.3 | 31.2 | 31.3 | 31.5 | 31.6 | 31.9 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 34.7 | 31.6 | 30.7 | 30.4 | 30.5 | 30.6 | 30.8 | 31.1 | 31.3 | 31.6 |
| 25 | 0. | 0. | 0. | 0. | 0. | 33.5 | 30.5 | 29.7 | 29.6 | 29.7 | 29.9 | 30.2 | 30.5 | 30.8 | 31.1 | 31.4 |
| 26 | 0. | 0. | 0. | 0. | 32.8 | 29.4 | 28.7 | 28.7 | 28.9 | 29.2 | 29.5 | 29.9 | 30.2 | 30.6 | 30.9 | 31.3 |
| 27 | 0. | 0. | 0. | 32.8 | 28.4 | 27.7 | 27.8 | 28.0 | 28.4 | 28.8 | 29.2 | 29.7 | 30.1 | 30.4 | 30.8 | 31.2 |
| 28 | 0. | 0. | 35.6 | 27.5 | 26.7 | 26.8 | 27.2 | 27.6 | 28.1 | 28.6 | 29.0 | 29.5 | 29.9 | 30.3 | 30.7 | 31.1 |
| 29 | 0. | 0. | 26.8 | 25.7 | 25.8 | 26.2 | 26.7 | 27.3 | 27.8 | 28.4 | 28.9 | 29.4 | 29.8 | 30.2 | 30.6 | 31.0 |
| 30 | 0. | 26.6 | 24.6 | 24.6 | 25.2 | 25.8 | 26.4 | 27.1 | 27.7 | 28.2 | 28.8 | 29.3 | 29.7 | 30.2 | 30.6 | 31.0 |
| 31 | 29.4 | 23.5 | 23.4 | 24.0 | 24.7 | 25.5 | 26.2 | 26.9 | 27.5 | 28.1 | 28.7 | 29.2 | 29.7 | 30.1 | 30.5 | 30.9 |
| 32 | 22.6 | 22.1 | 22.7 | 23.6 | 24.4 | 25.2 | 26.0 | 26.7 | 27.4 | 28.0 | 28.6 | 29.1 | 29.6 | 30.1 | 30.5 | 30.9 |
| 33 | 20.7 | 21.3 | 22.3 | 23.2 | 24.2 | 25.1 | 25.9 | 26.6 | 27.3 | 28.0 | 28.5 | 29.1 | 29.6 | 30.0 | 30.5 | 30.9 |
| 34 | 19.7 | 20.8 | 21.9 | 23.0 | 24.0 | 24.9 | 25.8 | 26.5 | 27.3 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 |
| 35 | 19.1 | 20.4 | 21.7 | 22.8 | 23.9 | 24.8 | 25.7 | 26.5 | 27.2 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 |
| 36 | 18.7 | 20.1 | 21.5 | 22.7 | 23.8 | 24.7 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 |
| 37 | 18.4 | 19.9 | 21.3 | 22.6 | 23.7 | 24.7 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 28.9 | 29.5 | 29.9 | 30.4 | 30.8 |
| 38 | 18.1 | 19.8 | 21.2 | 22.5 | 23.6 | 24.6 | 25.5 | 26.3 | 27.1 | 27.7 | 28.4 | 28.9 | 29.4 | 29.9 | 30.4 | 30.8 |
| 39 | 18.0 | 19.6 | 21.1 | 22.4 | 23.5 | 24.6 | 25.5 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.4 | 29.9 | 30.4 | 30.8 |
| 40 | 17.8 | 19.5 | 21.0 | 22.3 | 23.5 | 24.5 | 25.4 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.4 | 29.9 | 30.4 | 30.8 |
| 41 | 17.7 | 19.5 | 21.0 | 22.3 | 23.5 | 24.5 | 25.4 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.4 | 29.9 | 30.3 | 30.8 |
| 42 | 17.6 | 19.4 | 20.9 | 22.2 | 23.4 | 24.5 | 25.4 | 26.2 | 27.0 | 27.7 | 28.3 | 28.9 | 29.4 | 29.9 | 30.3 | 30.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.00

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.6 | 42.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.8 | 42.4 | 39.2 | 37.8 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.3 | 39.3 | 37.4 | 36.5 | 36.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.9 | 37.3 | 36.0 | 35.4 | 35.1 | 35.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.0 | 38.4 | 35.8 | 34.9 | 34.5 | 34.3 | 34.3 | 34.4 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 36.7 | 34.6 | 33.9 | 33.6 | 33.6 | 33.7 | 33.8 | 34.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 44.8 | 35.3 | 33.5 | 32.9 | 32.8 | 32.8 | 33.0 | 33.2 | 33.5 | 33.7 |
| 26 | 0. | 0. | 0. | 0. | 0. | 45.0 | 34.2 | 32.5 | 32.0 | 31.9 | 32.1 | 32.3 | 32.6 | 32.9 | 33.2 | 33.5 |
| 27 | 0. | 0. | 0. | 0. | 53.0 | 33.3 | 31.5 | 31.1 | 31.1 | 31.3 | 31.6 | 31.9 | 32.3 | 32.6 | 33.0 | 33.3 |
| 28 | 0. | 0. | 0. | 0. | 32.6 | 30.5 | 30.1 | 30.2 | 30.5 | 30.9 | 31.3 | 31.7 | 32.1 | 32.5 | 32.8 | 33.2 |
| 29 | 0. | 0. | 0. | 32.4 | 29.6 | 29.2 | 29.3 | 29.7 | 30.1 | 30.6 | 31.0 | 31.5 | 31.9 | 32.3 | 32.7 | 33.1 |
| 30 | 0. | 0. | 33.6 | 28.7 | 28.1 | 28.3 | 28.7 | 29.3 | 29.8 | 30.3 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 33.0 |
| 31 | 0. | 0. | 27.9 | 27.1 | 27.3 | 27.8 | 28.4 | 29.0 | 29.6 | 30.1 | 30.7 | 31.2 | 31.7 | 32.1 | 32.6 | 33.0 |
| 32 | 0. | 27.7 | 26.0 | 26.1 | 26.7 | 27.4 | 28.1 | 28.7 | 29.4 | 30.0 | 30.6 | 31.1 | 31.6 | 32.1 | 32.5 | 32.9 |
| 33 | 30.4 | 24.9 | 24.9 | 25.5 | 26.3 | 27.1 | 27.8 | 28.6 | 29.2 | 29.9 | 30.5 | 31.0 | 31.5 | 32.0 | 32.5 | 32.9 |
| 34 | 24.0 | 23.5 | 24.2 | 25.1 | 26.0 | 26.8 | 27.7 | 28.4 | 29.1 | 29.8 | 30.4 | 31.0 | 31.5 | 32.0 | 32.4 | 32.8 |
| 35 | 22.1 | 22.7 | 23.7 | 24.7 | 25.7 | 26.7 | 27.5 | 28.3 | 29.0 | 29.7 | 30.3 | 30.9 | 31.4 | 31.9 | 32.4 | 32.8 |
| 36 | 21.0 | 22.1 | 23.3 | 24.5 | 25.6 | 26.5 | 27.4 | 28.2 | 29.0 | 29.7 | 30.3 | 30.9 | 31.4 | 31.9 | 32.4 | 32.8 |
| 37 | 20.4 | 21.8 | 23.1 | 24.3 | 25.4 | 26.4 | 27.3 | 28.2 | 28.9 | 29.6 | 30.2 | 30.8 | 31.4 | 31.9 | 32.3 | 32.8 |
| 38 | 19.9 | 21.5 | 22.9 | 24.1 | 25.3 | 26.3 | 27.3 | 28.1 | 28.9 | 29.6 | 30.2 | 30.8 | 31.3 | 31.9 | 32.3 | 32.8 |
| 39 | 19.6 | 21.2 | 22.7 | 24.0 | 25.2 | 26.2 | 27.2 | 28.1 | 28.8 | 29.5 | 30.2 | 30.8 | 31.3 | 31.8 | 32.3 | 32.7 |
| 40 | 19.4 | 21.1 | 22.6 | 23.9 | 25.1 | 26.2 | 27.1 | 28.0 | 28.8 | 29.5 | 30.2 | 30.8 | 31.3 | 31.8 | 32.3 | 32.7 |
| 41 | 19.2 | 20.9 | 22.5 | 23.8 | 25.1 | 26.1 | 27.1 | 28.0 | 28.8 | 29.5 | 30.1 | 30.7 | 31.3 | 31.8 | 32.3 | 32.7 |
| 42 | 19.0 | 20.8 | 22.4 | 23.8 | 25.0 | 26.1 | 27.1 | 27.9 | 28.7 | 29.5 | 30.1 | 30.7 | 31.3 | 31.8 | 32.3 | 32.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =?.36

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.4 | 43.5 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.7 | 44.0 | 41.6 | 40.5 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | [illegible].4 | 41.8 | 40.1 | 39.3 | 38.9 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.5 | [illegible].2 | 38.9 | 38.3 | 38.1 | 38.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.0 | 41.6 | 38.9 | 37.9 | 37.4 | 37.3 | 37.3 | 37.4 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.6 | 40.2 | 37.8 | 36.9 | 36.6 | 36.5 | 36.6 | 36.8 | 37.0 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 57.9 | 39.1 | 36.7 | 36.0 | 35.7 | 35.8 | 35.9 | 36.1 | 36.4 | 36.7 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 38.3 | 35.8 | 35.0 | 34.9 | 35.0 | 35.2 | 35.5 | 35.8 | 36.1 | 36.4 |
| 29 | 0. | 0. | 0. | 0. | 0. | 37.8 | 34.9 | 34.1 | 34.0 | 34.2 | 34.5 | 34.8 | 35.2 | 35.5 | 35.9 | 36.3 |
| 30 | 0. | 0. | 0. | 0. | 38.0 | 34.0 | 33.2 | 33.1 | 33.4 | 33.7 | 34.1 | 34.5 | 34.9 | 35.3 | 35.7 | 36.1 |
| 31 | 0. | 0. | 0. | 40.4 | 33.3 | 32.3 | 32.2 | 32.5 | 32.9 | 33.3 | 33.8 | 34.3 | 34.7 | 35.2 | 35.6 | 36.0 |
| 32 | 0. | 0. | 0. | 32.8 | 31.3 | 31.2 | 31.5 | 32.0 | 32.5 | 33.1 | 33.6 | 34.1 | 34.6 | 35.1 | 35.5 | 35.9 |
| 33 | 0. | 0. | 33.1 | 30.4 | 30.2 | 30.5 | 31.0 | 31.6 | 32.3 | 32.9 | 33.4 | 34.0 | 34.5 | 35.0 | 35.4 | 35.8 |
| 34 | 0. | 37.2 | 29.5 | 29.0 | 29.4 | 30.0 | 30.7 | 31.4 | 32.0 | 32.7 | 33.3 | 33.9 | 34.4 | 34.9 | 35.4 | 35.8 |
| 35 | 0. | 29.1 | 27.9 | 28.2 | 28.9 | 29.6 | 30.4 | 31.2 | 31.9 | 32.6 | 33.2 | 33.8 | 34.3 | 34.8 | 35.3 | 35.7 |
| 36 | 31.1 | 26.7 | 26.9 | 27.6 | 28.5 | 29.4 | 30.2 | 31.0 | 31.8 | 32.4 | 33.1 | 33.7 | 34.2 | 34.8 | 35.3 | 35.7 |
| 37 | 25.9 | 25.5 | 26.2 | 27.2 | 28.2 | 29.1 | 30.0 | 30.9 | 31.6 | 32.4 | 33.0 | 33.6 | 34.2 | 34.7 | 35.2 | 35.7 |
| 38 | 24.0 | 24.7 | 25.7 | 26.9 | 28.0 | 29.0 | 29.9 | 30.8 | 31.6 | 32.3 | 33.0 | 33.6 | 34.2 | 34.7 | 35.2 | 35.6 |
| 39 | 22.9 | 24.1 | 25.4 | 26.6 | 27.8 | 28.8 | 29.8 | 30.7 | 31.5 | 32.2 | 32.9 | 33.5 | 34.1 | 34.7 | 35.2 | 35.6 |
| 40 | 22.2 | 23.7 | 25.1 | 26.4 | 27.6 | 28.7 | 29.7 | 30.6 | 31.4 | 32.2 | 32.9 | 33.5 | 34.1 | 34.6 | 35.1 | 35.6 |
| 41 | 21.8 | 23.4 | 24.9 | 26.3 | 27.5 | 28.6 | 29.6 | 30.5 | 31.4 | 32.1 | 32.8 | 33.5 | 34.1 | 34.6 | 35.1 | 35.6 |
| 42 | 21.4 | 23.2 | 24.7 | 26.1 | 27.4 | 28.5 | 29.6 | 30.5 | 31.3 | 32.1 | 32.8 | 33.4 | 34.0 | 34.6 | 35.1 | 35.6 |
| 43 | 21.1 | 23.0 | 24.6 | 26.0 | 27.3 | 28.5 | 29.5 | 30.4 | 31.3 | 32.1 | 32.8 | 33.4 | 34.0 | 34.6 | 35.1 | 35.6 |
| 44 | 20.9 | 22.8 | 24.5 | 25.9 | 27.3 | 28.4 | 29.5 | 30.4 | 31.3 | 32.0 | 32.8 | 33.4 | 34.0 | 34.6 | 35.1 | 35.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.50

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.6 | 49.2 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.4 | 45.6 | 43.3 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 43.4 | 41.8 | 41.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.7 | 44.7 | 41.8 | 40.6 | 40.0 | 39.7 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.3 | 42.8 | 40.5 | 39.5 | 39.1 | 38.9 | 38.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.4 | 41.4 | 39.4 | 38.5 | 38.2 | 38.2 | 38.2 | 38.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.2 | 40.2 | 38.3 | 37.6 | 37.4 | 37.4 | 37.5 | 37.7 | 38.0 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 48.7 | 39.3 | 37.4 | 36.7 | 36.6 | 36.7 | 36.9 | 37.1 | 37.4 | 37.7 |
| 29 | 0. | 0. | 0. | 0. | 0. | 53.8 | 38.5 | 36.4 | 35.9 | 35.8 | 35.9 | 36.1 | 36.5 | 36.8 | 37.1 | 37.5 |
| 30 | 0. | 0. | 0. | 0. | 0. | 38.1 | 35.6 | 35.0 | 34.9 | 35.1 | 35.4 | 35.8 | 36.2 | 36.5 | 36.9 | 37.3 |
| 31 | 0. | 0. | 0. | 0. | 38.2 | 34.7 | 34.0 | 34.0 | 34.3 | 34.6 | 35.1 | 35.5 | 35.9 | 36.3 | 36.8 | 37.2 |
| 32 | 0. | 0. | 0. | 40.1 | 34.0 | 33.1 | 33.1 | 33.4 | 33.8 | 34.3 | 34.8 | 35.3 | 35.7 | 36.2 | 36.6 | 37.1 |
| 33 | 0. | 0. | 0. | 33.6 | 32.1 | 32.1 | 32.4 | 32.9 | 33.5 | 34.0 | 34.6 | 35.1 | 35.6 | 36.1 | 36.5 | 37.0 |
| 34 | 0. | 0. | 33.9 | 31.2 | 31.0 | 31.4 | 31.9 | 32.6 | 33.2 | 33.8 | 34.4 | 35.0 | 35.5 | 36.0 | 36.5 | 36.9 |
| 35 | 0. | 38.2 | 30.4 | 29.9 | 30.3 | 30.9 | 31.6 | 32.3 | 33.0 | 33.6 | 34.3 | 34.8 | 35.4 | 35.9 | 36.4 | 36.8 |
| 36 | 0. | 30.1 | 28.7 | 29.0 | 29.7 | 30.5 | 31.3 | 32.1 | 32.8 | 33.5 | 34.2 | 34.8 | 35.3 | 35.8 | 36.3 | 36.8 |
| 37 | 32.6 | 27.6 | 27.7 | 28.4 | 29.3 | 30.2 | 31.1 | 31.9 | 32.7 | 33.4 | 34.1 | 34.7 | 35.3 | 35.8 | 36.3 | 36.8 |
| 38 | 26.9 | 26.3 | 27.0 | 28.0 | 29.0 | 30.0 | 30.9 | 31.8 | 32.6 | 33.3 | 34.0 | 34.6 | 35.2 | 35.7 | 36.2 | 36.7 |
| 39 | 24.9 | 25.5 | 26.5 | 27.7 | 28.8 | 29.8 | 30.8 | 31.7 | 32.5 | 33.2 | 33.9 | 34.6 | 35.2 | 35.7 | 36.2 | 36.7 |
| 40 | 23.7 | 24.9 | 26.2 | 27.4 | 28.6 | 29.7 | 30.7 | 31.6 | 32.4 | 33.2 | 33.9 | 34.5 | 35.1 | 35.7 | 36.2 | 36.7 |
| 41 | 23.0 | 24.5 | 25.9 | 27.2 | 28.5 | 29.6 | 30.6 | 31.5 | 32.4 | 33.1 | 33.8 | 34.5 | 35.1 | 35.6 | 36.2 | 36.6 |
| 42 | 22.5 | 24.1 | 25.7 | 27.1 | 28.3 | 29.5 | 30.5 | 31.4 | 32.3 | 33.1 | 33.8 | 34.5 | 35.1 | 35.6 | 36.1 | 36.6 |
| 43 | 22.1 | 23.9 | 25.5 | 26.9 | 28.2 | 29.4 | 30.4 | 31.4 | 32.3 | 33.0 | 33.8 | 34.4 | 35.0 | 35.6 | 36.1 | 36.6 |
| 44 | 21.8 | 23.7 | 25.3 | 26.8 | 28.1 | 29.3 | 30.4 | 31.3 | 32.2 | 33.0 | 33.7 | 34.4 | 35.0 | 35.6 | 36.1 | 36.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.75

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 93.0 | 51.9 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.8 | 48.3 | 45.7 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.2 | 46.1 | 44.1 | 43.2 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.3 | 44.4 | 42.9 | 42.2 | 41.8 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.7 | 46.3 | 43.1 | 41.8 | 41.3 | 41.0 | 41.0 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.4 | 44.8 | 41.9 | 40.8 | 40.4 | 40.2 | 40.3 | 40.4 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.0 | 43.8 | 40.9 | 39.9 | 39.5 | 39.5 | 39.6 | 39.7 | 39.9 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.0 | 40.0 | 39.0 | 38.7 | 38.7 | 38.8 | 39.1 | 39.3 | 39.6 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 42.7 | 39.1 | 38.1 | 37.9 | 37.9 | 38.1 | 38.4 | 38.7 | 39.0 | 39.4 |
| 31 | 0. | 0. | 0. | 0. | 0. | 43.1 | 38.4 | 37.3 | 37.0 | 37.1 | 37.3 | 37.7 | 38.0 | 38.4 | 38.8 | 39.2 |
| 32 | 0. | 0. | 0. | 0. | 45.8 | 37.8 | 36.4 | 36.1 | 36.2 | 36.5 | 36.9 | 37.4 | 37.8 | 38.2 | 38.6 | 39.0 |
| 33 | 0. | 0. | 0. | 0. | 37.5 | 35.5 | 35.2 | 35.3 | 35.7 | 36.1 | 36.6 | 37.1 | 37.6 | 38.0 | 38.5 | 38.9 |
| 34 | 0. | 0. | 0. | 38.0 | 34.7 | 34.2 | 34.4 | 34.8 | 35.3 | 35.8 | 36.4 | 36.9 | 37.4 | 37.9 | 38.4 | 38.8 |
| 35 | 0. | 0. | 42.2 | 34.1 | 33.2 | 33.3 | 33.8 | 34.4 | 35.0 | 35.6 | 36.2 | 36.7 | 37.3 | 37.8 | 38.3 | 38.7 |
| 36 | 0. | 0. | 33.9 | 32.2 | 32.2 | 32.7 | 33.4 | 34.1 | 34.7 | 35.4 | 36.0 | 36.6 | 37.2 | 37.7 | 38.2 | 38.7 |
| 37 | 0. | 36.0 | 31.3 | 31.1 | 31.6 | 32.3 | 33.0 | 33.8 | 34.5 | 35.2 | 35.9 | 36.5 | 37.1 | 37.6 | 38.1 | 38.6 |
| 38 | 0. | 30.8 | 29.8 | 30.3 | 31.1 | 31.9 | 32.8 | 33.6 | 34.4 | 35.1 | 35.8 | 36.4 | 37.0 | 37.6 | 38.1 | 38.6 |
| 39 | 32.3 | 28.6 | 28.9 | 29.7 | 30.7 | 31.7 | 32.6 | 33.5 | 34.3 | 35.0 | 35.7 | 36.4 | 37.0 | 37.5 | 38.0 | 38.5 |
| 40 | 27.8 | 27.4 | 28.3 | 29.3 | 30.4 | 31.4 | 32.4 | 33.3 | 34.2 | 34.9 | 35.6 | 36.3 | 36.9 | 37.5 | 38.0 | 38.5 |
| 41 | 25.9 | 26.6 | 27.8 | 29.0 | 30.2 | 31.3 | 32.3 | 33.2 | 34.1 | 34.9 | 35.6 | 36.2 | 36.9 | 37.4 | 38.0 | 38.5 |
| 42 | 24.8 | 26.1 | 27.4 | 28.8 | 30.0 | 31.1 | 32.2 | 33.1 | 34.0 | 34.8 | 35.5 | 36.2 | 36.8 | 37.4 | 38.0 | 38.5 |
| 43 | 24.1 | 25.6 | 27.2 | 28.6 | 29.8 | 31.0 | 32.1 | 33.0 | 33.9 | 34.7 | 35.5 | 36.2 | 36.8 | 37.4 | 37.9 | 38.4 |
| 44 | 23.6 | 25.3 | 26.9 | 28.4 | 29.7 | 30.9 | 32.0 | 33.0 | 33.9 | 34.7 | 35.4 | 36.1 | 36.8 | 37.4 | 37.9 | 38.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.95

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 51.6 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.1 | 49.0 | 46.7 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.4 | 47.1 | 45.4 | 44.5 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.0 | 49.1 | 45.6 | 44.2 | 43.5 | 43.2 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.9 | 47.5 | 44.4 | 43.2 | 42.6 | 42.4 | 42.4 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.8 | 46.2 | 43.4 | 42.2 | 41.8 | 41.6 | 41.7 | 41.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.4 | 45.3 | 42.4 | 41.3 | 41.0 | 40.9 | 41.0 | 41.1 | 41.4 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.8 | 41.5 | 40.5 | 40.1 | 40.1 | 40.2 | 40.5 | 40.7 | 41.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 44.7 | 40.7 | 39.6 | 39.3 | 39.3 | 39.5 | 39.8 | 40.1 | 40.4 | 40.8 |
| 32 | 0. | 0. | 0. | 0. | 0. | 45.8 | 40.1 | 38.7 | 38.4 | 38.5 | 38.7 | 39.1 | 39.4 | 39.8 | 40.2 | 40.6 |
| 33 | 0. | 0. | 0. | 0. | 50.9 | 39.6 | 37.9 | 37.5 | 37.6 | 37.9 | 38.3 | 38.7 | 39.2 | 39.6 | 40.0 | 40.4 |
| 34 | 0. | 0. | 0. | 0. | 39.6 | 37.1 | 36.6 | 36.7 | 37.1 | 37.5 | 38.0 | 38.5 | 39.0 | 39.4 | 39.9 | 40.3 |
| 35 | 0. | 0. | 0. | 41.0 | 36.4 | 35.7 | 35.7 | 36.1 | 36.6 | 37.2 | 37.7 | 38.3 | 38.8 | 39.3 | 39.8 | 40.2 |
| 36 | 0. | 0. | 52.1 | 36.0 | 34.7 | 34.7 | 35.1 | 35.7 | 36.3 | 36.9 | 37.5 | 38.1 | 38.7 | 39.2 | 39.7 | 40.1 |
| 37 | 0. | 0. | 36.4 | 33.8 | 33.6 | 34.1 | 34.7 | 35.4 | 36.0 | 36.7 | 37.4 | 38.0 | 38.5 | 39.1 | 39.6 | 40.1 |
| 38 | 0. | 41.9 | 33.1 | 32.5 | 32.9 | 33.6 | 34.3 | 35.1 | 35.8 | 36.5 | 37.2 | 37.9 | 38.4 | 39.0 | 39.5 | 40.0 |
| 39 | 0. | 33.1 | 31.3 | 31.6 | 32.3 | 33.2 | 34.0 | 34.9 | 35.7 | 36.4 | 37.1 | 37.8 | 38.4 | 38.9 | 39.5 | 40.0 |
| 40 | 38.3 | 30.3 | 30.3 | 31.0 | 31.9 | 32.9 | 33.8 | 34.7 | 35.5 | 36.3 | 37.0 | 37.7 | 38.3 | 38.9 | 39.4 | 39.9 |
| 41 | 30.1 | 28.9 | 29.5 | 30.5 | 31.6 | 32.7 | 33.6 | 34.6 | 35.4 | 36.2 | 36.9 | 37.6 | 38.3 | 38.8 | 39.4 | 39.9 |
| 42 | 27.6 | 27.9 | 29.0 | 30.2 | 31.4 | 32.5 | 33.5 | 34.4 | 35.3 | 36.1 | 36.9 | 37.6 | 38.2 | 38.8 | 39.3 | 39.9 |
| 43 | 26.2 | 27.3 | 28.6 | 29.9 | 31.2 | 32.3 | 33.4 | 34.3 | 35.2 | 36.1 | 36.8 | 37.5 | 38.2 | 38.8 | 39.3 | 39.8 |
| 44 | 25.3 | 26.8 | 28.3 | 29.7 | 31.0 | 32.2 | 33.3 | 34.3 | 35.2 | 36.0 | 36.8 | 37.5 | 38.1 | 38.7 | 39.3 | 39.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 3.25

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73.8 | 55.5 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.8 | 52.6 | 49.7 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.0 | 50.6 | 48.2 | 47.1 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 49.0 | 47.1 | 46.1 | 45.7 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.6 | 47.8 | 46.0 | 45.2 | 44.8 | 44.7 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.5 | 46.7 | 45.0 | 44.3 | 44.1 | 44.0 | 44.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.0 | 45.8 | 44.1 | 43.5 | 43.3 | 43.3 | 43.4 | 43.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.4 | 45.0 | 43.3 | 42.6 | 42.5 | 42.5 | 42.7 | 42.9 | 43.2 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 53.7 | 44.5 | 42.5 | 41.8 | 41.7 | 41.8 | 42.0 | 42.3 | 42.6 | 42.9 |
| 33 | 0. | 0. | 0. | 0. | 0. | 67.0 | 44.2 | 41.7 | 41.0 | 40.8 | 41.0 | 41.2 | 41.6 | 42.0 | 42.3 | 42.7 |
| 34 | 0. | 0. | 0. | 0. | 0. | 44.6 | 41.0 | 40.1 | 40.0 | 40.1 | 40.5 | 40.9 | 41.3 | 41.7 | 42.1 | 42.5 |
| 35 | 0. | 0. | 0. | 0. | 46.7 | 40.5 | 39.2 | 39.1 | 39.3 | 39.6 | 40.1 | 40.5 | 41.0 | 41.5 | 42.0 | 42.4 |
| 36 | 0. | 0. | 0. | 63.4 | 40.3 | 38.4 | 38.1 | 38.3 | 38.7 | 39.2 | 39.8 | 40.3 | 40.8 | 41.3 | 41.8 | 42.3 |
| 37 | 0. | 0. | 0. | 41.1 | 37.7 | 37.1 | 37.3 | 37.8 | 38.3 | 38.9 | 39.5 | 40.1 | 40.7 | 41.2 | 41.7 | 42.2 |
| 38 | 0. | 0. | 46.8 | 37.2 | 36.1 | 36.3 | 36.8 | 37.4 | 38.0 | 38.7 | 39.3 | 40.0 | 40.5 | 41.1 | 41.6 | 42.1 |
| 39 | 0. | 0. | 37.5 | 35.2 | 35.1 | 35.6 | 36.3 | 37.1 | 37.8 | 38.5 | 39.2 | 39.8 | 40.4 | 41.0 | 41.5 | 42.1 |
| 40 | 0. | 41.9 | 34.4 | 34.0 | 34.4 | 35.2 | 36.0 | 36.8 | 37.6 | 38.3 | 39.1 | 39.7 | 40.3 | 40.9 | 41.5 | 42.0 |
| 41 | 0. | 34.5 | 32.8 | 33.1 | 33.9 | 34.8 | 35.7 | 36.6 | 37.4 | 38.2 | 38.9 | 39.6 | 40.3 | 40.9 | 41.4 | 41.9 |
| 42 | 39.9 | 31.8 | 31.8 | 32.5 | 33.5 | 34.5 | 35.5 | 36.4 | 37.3 | 38.1 | 38.9 | 39.6 | 40.2 | 40.8 | 41.4 | 41.9 |
| 43 | 31.8 | 30.3 | 31.0 | 32.1 | 33.2 | 34.3 | 35.3 | 36.3 | 37.2 | 38.0 | 38.8 | 39.5 | 40.2 | 40.8 | 41.3 | 41.9 |
| 44 | 29.1 | 29.4 | 30.5 | 31.7 | 32.9 | 34.1 | 35.2 | 36.2 | 37.1 | 37.9 | 38.7 | 39.4 | 40.1 | 40.7 | 41.3 | 41.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.54

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 87.1 | 58.4 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.5 | 55.5 | 52.2 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.0 | 53.5 | 50.7 | 49.4 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.2 | 52.0 | 49.6 | 48.4 | 47.9 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.6 | 50.8 | 48.5 | 47.5 | 47.0 | 46.9 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.9 | 49.8 | 47.6 | 46.6 | 46.2 | 46.1 | 46.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.5 | 49.0 | 46.7 | 45.8 | 45.4 | 45.4 | 45.5 | 45.6 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.6 | 48.4 | 45.9 | 45.0 | 44.6 | 44.6 | 44.7 | 45.0 | 45.2 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 84.4 | 48.2 | 45.1 | 44.1 | 43.8 | 43.8 | 44.0 | 44.3 | 44.6 | 44.9 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 48.7 | 44.5 | 43.3 | 43.0 | 43.0 | 43.3 | 43.6 | 43.9 | 44.3 | 44.7 |
| 35 | 0. | 0. | 0. | 0. | 0. | 50.8 | 44.0 | 42.5 | 42.1 | 42.2 | 42.5 | 42.8 | 43.2 | 43.6 | 44.1 | 44.5 |
| 36 | 0. | 0. | 0. | 0. | 62.6 | 43.9 | 41.8 | 41.3 | 41.3 | 41.6 | 42.0 | 42.5 | 42.9 | 43.4 | 43.9 | 44.3 |
| 37 | 0. | 0. | 0. | 0. | 44.7 | 41.1 | 40.4 | 40.4 | 40.7 | 41.2 | 41.7 | 42.2 | 42.7 | 43.2 | 43.7 | 44.2 |
| 38 | 0. | 0. | 0. | 48.9 | 40.7 | 39.5 | 39.4 | 39.8 | 40.3 | 40.8 | 41.4 | 42.0 | 42.5 | 43.1 | 43.6 | 44.1 |
| 39 | 0. | 0. | 0. | 41.0 | 38.[illegible] | 38.4 | 38.7 | 39.3 | 39.9 | 40.5 | 41.2 | 41.8 | 42.4 | 43.0 | 43.5 | 44.0 |
| 40 | 0. | 0. | 43.8 | 38.0 | 37.3 | 37.6 | 38.2 | 38.9 | 39.6 | 40.3 | 41.0 | 41.7 | 42.3 | 42.9 | 43.4 | 43.9 |
| 41 | 0. | 0. | 37.9 | 36.3 | 36.5 | 37.1 | 37.8 | 38.6 | 39.4 | 40.1 | 40.9 | 41.5 | 42.2 | 42.8 | 43.3 | 43.9 |
| 42 | 0. | 40.6 | 35.4 | 35.2 | 35.8 | 36.6 | 37.5 | 38.4 | 39.2 | 40.0 | 40.7 | 41.4 | 42.1 | 42.7 | 43.3 | 43.8 |
| 43 | 0. | 35.2 | 34.0 | 34.4 | 35.3 | 36.3 | 37.2 | 38.2 | 39.0 | 39.9 | 40.6 | 41.3 | 42.0 | 42.6 | 43.2 | 43.8 |
| 44 | 39.1 | 32.9 | 33.0 | 33.9 | 34.9 | 36.0 | 37.0 | 38.0 | 38.9 | 39.7 | 40.5 | 41.3 | 42.0 | 42.6 | 43.2 | 43.7 |
| 45 | 32.7 | 31.5 | 32.5 | 33.4 | 34.6 | 35.8 | 36.8 | 37.9 | 38.8 | 39.7 | 40.5 | 41.2 | 41.9 | 42.5 | 43.1 | 43.7 |
| 46 | 30.2 | 30.6 | 31.8 | 33.1 | 34.4 | 35.6 | 36.7 | 37.7 | 38.7 | 39.6 | 40.4 | 41.2 | 41.9 | 42.5 | 43.1 | 43.7 |
| 47 | 28.8 | 29.9 | 31.4 | 32.8 | 34.2 | 35.4 | 36.6 | 37.6 | 38.6 | 39.5 | 40.3 | 41.1 | 41.8 | 42.5 | 43.1 | 43.6 |
| 48 | 27.9 | 29.4 | 31.0 | 32.6 | 34.0 | 35.3 | 36.5 | 37.6 | 38.5 | 39.5 | 40.3 | 41.1 | 41.8 | 42.4 | 43.1 | 43.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.75

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 85.0 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.5 | 57.7 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.1 | 55.6 | 52.9 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.2 | 54.0 | 51.6 | 50.5 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.4 | 52.7 | 50.5 | 49.5 | 49.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.3 | 51.6 | 49.6 | 48.7 | 48.3 | 48.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.9 | 50.7 | 48.7 | 47.8 | 47.5 | 47.4 | 47.4 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.6 | 50.0 | 47.9 | 47.0 | 46.7 | 46.6 | 46.7 | 46.9 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.6 | 49.6 | 47.1 | 46.2 | 45.9 | 45.9 | 46.0 | 46.2 | 46.5 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 77.8 | 49.5 | 46.4 | 45.4 | 45.1 | 45.1 | 45.3 | 45.6 | 45.9 | 46.2 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 50.1 | 45.8 | 44.6 | 44.2 | 44.3 | 44.5 | 44.8 | 45.2 | 45.6 | 46.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 52.6 | 45.4 | 43.8 | 43.4 | 43.4 | 43.7 | 44.1 | 44.5 | 44.9 | 45.4 | 45.8 |
| 37 | 0. | 0. | 0. | 0. | 68.9 | 45.4 | 43.1 | 42.5 | 42.6 | 42.9 | 43.3 | 43.7 | 44.2 | 44.7 | 45.2 | 45.6 |
| 38 | 0. | 0. | 0. | 0. | 46.6 | 42.5 | 41.6 | 41.6 | 41.9 | 42.4 | 42.9 | 43.5 | 44.0 | 44.5 | 45.0 | 45.5 |
| 39 | 0. | 0. | 0. | 52.4 | 42.2 | 40.8 | 40.7 | 41.0 | 41.5 | 42.0 | 42.6 | 43.2 | 43.8 | 44.4 | 44.9 | 45.4 |
| 40 | 0. | 0. | 0. | 42.8 | 40.0 | 39.6 | 39.9 | 40.5 | 41.1 | 41.8 | 42.4 | 43.0 | 43.7 | 44.2 | 44.8 | 45.3 |
| 41 | 0. | 0. | 47.1 | 39.5 | 38.6 | 38.8 | 39.4 | 40.1 | 40.8 | 41.5 | 42.2 | 42.9 | 43.5 | 44.1 | 44.7 | 45.2 |
| 42 | 0. | 0. | 39.8 | 37.6 | 37.7 | 38.2 | 39.0 | 39.8 | 40.6 | 41.3 | 42.1 | 42.8 | 43.4 | 44.0 | 44.6 | 45.2 |
| 43 | 0. | 44.5 | 36.9 | 36.5 | 37.0 | 37.8 | 38.6 | 39.5 | 40.4 | 41.2 | 41.9 | 42.7 | 43.3 | 44.0 | 44.6 | 45.1 |
| 44 | 0. | 37.2 | 35.3 | 35.6 | 36.5 | 37.4 | 38.4 | 39.3 | 40.2 | 41.0 | 41.8 | 42.6 | 43.3 | 43.9 | 44.5 | 5.1 |
| 45 | 45.6 | 34.4 | 34.2 | 35.0 | 36.0 | 37.1 | 38.2 | 39.1 | 40.1 | 40.9 | 41.7 | 42.5 | 43.2 | 43.8 | 44.5 | 45.0 |
| 46 | 34.9 | 32.8 | 33.4 | 34.5 | 35.7 | 36.9 | 38.0 | 39.0 | 40.0 | 40.8 | 41.7 | 42.4 | 43.1 | 43.8 | 44.4 | 45.0 |
| 47 | 31.8 | 31.8 | 32.9 | 34.2 | 35.4 | 36.7 | 37.8 | 38.9 | 39.9 | 40.8 | 41.6 | 42.4 | 43.1 | 43.8 | 44.4 | 45.0 |
| 48 | 30.1 | 31.0 | 32.4 | 33.8 | 35.2 | 36.5 | 37.7 | 38.8 | 39.8 | 40.7 | 41.5 | 42.3 | 43.0 | 43.7 | 44.3 | 44.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.00

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73.9 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.9 | 58.6 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.3 | 56.8 | 54.2 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.1 | 55.3 | 53.1 | 52.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.7 | 54.2 | 52.1 | 51.1 | 50.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.0 | 53.2 | 51.2 | 50.2 | 49.8 | 49.7 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.0 | 52.4 | 50.3 | 49.4 | 49.0 | 48.9 | 49.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.3 | 51.9 | 49.5 | 48.6 | 48.3 | 48.2 | 48.3 | 48.5 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.0 | 51.6 | 48.8 | 47.8 | 47.5 | 47.4 | 47.6 | 47.8 | 48.1 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.7 | 48.2 | 47.0 | 46.7 | 46.7 | 46.8 | 47.1 | 47.4 | 47.8 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 52.9 | 47.7 | 46.3 | 45.8 | 45.8 | 46.1 | 46.4 | 46.7 | 47.1 | 47.5 |
| 37 | 0. | 0. | 0. | 0. | 0. | 57.2 | 47.5 | 45.5 | 45.0 | 45.0 | 45.2 | 45.6 | 46.0 | 46.4 | 46.9 | 47.3 |
| 38 | 0. | 0. | 0. | 0. | 0. | 47.9 | 44.9 | 44.1 | 44.1 | 44.4 | 44.8 | 45.2 | 45.7 | 46.2 | 46.7 | 47.2 |
| 39 | 0. | 0. | 0. | 0. | 50.0 | 44.4 | 43.3 | 43.2 | 43.5 | 43.9 | 44.4 | 44.9 | 45.5 | 46.0 | 46.5 | 47.0 |
| 40 | 0. | 0. | 0. | 64.5 | 44.5 | 42.5 | 42.2 | 42.5 | 43.0 | 43.5 | 44.1 | 44.7 | 45.3 | 45.9 | 46.4 | 46.9 |
| 41 | 0. | 0. | 0. | 45.9 | 41.9 | 41.3 | 41.5 | 41.9 | 42.6 | 43.2 | 43.9 | 44.5 | 45.1 | 45.7 | 46.3 | 46.8 |
| 42 | 0. | 0. | 56.6 | 41.7 | 40.3 | 40.4 | 40.9 | 41.5 | 42.2 | 43.0 | 43.7 | 44.4 | 45.0 | 45.6 | 46.2 | 46.7 |
| 43 | 0. | 0. | 42.9 | 39.5 | 39.2 | 39.7 | 40.4 | 41.2 | 42.0 | 42.8 | 43.5 | 44.2 | 44.9 | 45.5 | 46.1 | 46.7 |
| 44 | 0. | 58.2 | 39.1 | 38.1 | 38.4 | 39.2 | 40.0 | 40.9 | 41.8 | 42.6 | 43.4 | 44.1 | 44.8 | 45.4 | 46.0 | 46.6 |
| 45 | 0. | 40.5 | 37.1 | 37.1 | 37.9 | 38.8 | 39.7 | 40.7 | 41.6 | 42.5 | 43.3 | 44.0 | 44.7 | 45.4 | 46.0 | 46.6 |
| 46 | 0. | 36.6 | 35.8 | 36.4 | 37.4 | 38.5 | 39.5 | 40.5 | 41.4 | 42.3 | 43.2 | 43.9 | 44.6 | 45.3 | 45.9 | 46.5 |
| 47 | 39.2 | 34.6 | 34.9 | 35.9 | 37.0 | 38.2 | 39.3 | 40.3 | 41.3 | 42.2 | 43.1 | 43.9 | 44.6 | 45.3 | 45.9 | 46.5 |
| 48 | 34.2 | 33.3 | 34.2 | 35.5 | 36.7 | 38.0 | 39.1 | 40.2 | 41.2 | 42.1 | 43.0 | 43.8 | 44.5 | 45.2 | 45.9 | 46.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.13

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 94.8 | 63.1 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76.8 | 60.6 | 56.7 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.5 | 58.8 | 55.3 | 53.7 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.4 | 57.5 | 54.2 | 52.8 | 52.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.3 | 56.5 | 53.3 | 51.9 | 51.2 | 50.9 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.5 | 55.8 | 52.4 | 51.0 | 50.4 | 50.1 | 50.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 92.8 | 55.5 | 51.7 | 50.2 | 49.6 | 49.4 | 49.4 | 49.5 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.8 | 51.0 | 49.4 | 48.8 | 48.6 | 48.7 | 48.8 | 49.1 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.2 | 50.6 | 48.7 | 48.0 | 47.8 | 47.9 | 48.1 | 48.4 | 48.7 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 62.2 | 50.4 | 48.0 | 47.2 | 47.0 | 47.1 | 47.4 | 47.7 | 48.0 | 48.4 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 50.8 | 47.4 | 46.4 | 46.2 | 46.3 | 46.6 | 47.0 | 47.4 | 47.8 | 48.2 |
| 38 | 0. | 0. | 0. | 0. | 0. | 52.8 | 47.0 | 45.6 | 45.3 | 45.5 | 45.8 | 46.2 | 46.6 | 47.1 | 47.6 | 48.0 |
| 39 | 0. | 0. | 0. | 0. | 61.8 | 47.0 | 44.9 | 44.5 | 44.5 | 44.9 | 45.3 | 45.8 | 46.4 | 46.9 | 47.4 | 47.9 |
| 40 | 0. | 0. | 0. | 0. | 48.1 | 44.3 | 43.6 | 43.6 | 44.0 | 44.5 | 45.0 | 45.6 | 46.1 | 46.7 | 47.2 | 47.7 |
| 41 | 0. | 0. | 0. | 53.6 | 44.1 | 42.7 | 42.6 | 43.0 | 43.5 | 44.1 | 44.7 | 45.4 | 46.0 | 46.5 | 47.1 | 47.6 |
| 42 | 0. | 0. | 0. | 44.8 | 41.9 | 41.6 | 41.9 | 42.5 | 43.1 | 43.8 | 44.5 | 45.2 | 45.8 | 46.4 | 47.0 | 47.5 |
| 43 | 0. | 0. | 49.8 | 41.5 | 40.6 | 40.8 | 41.4 | 42.1 | 42.8 | 43.6 | 44.3 | 45.0 | 45.7 | 46.3 | 46.9 | 47.5 |
| 44 | 0. | 0. | 42.1 | 39.6 | 39.6 | 40.2 | 40.9 | 41.8 | 42.6 | 43.4 | 44.2 | 44.9 | 45.6 | 46.2 | 46.8 | 47.4 |
| 45 | 0. | 48.8 | 39.0 | 38.4 | 38.9 | 39.7 | 40.6 | 41.5 | 42.4 | 43.2 | 44.0 | 44.8 | 45.5 | 46.1 | 46.8 | 47.3 |
| 46 | 0. | 39.8 | 37.3 | 37.5 | 38.3 | 39.3 | 40.3 | 41.3 | 42.2 | 43.1 | 43.9 | 44.7 | 45.4 | 46.1 | 46.7 | 47.3 |
| 47 | 61.0 | 36.6 | 36.1 | 36.9 | 37.9 | 39.0 | 40.1 | 41.1 | 42.1 | 43.0 | 43.8 | 44.6 | 45.3 | 46.0 | 46.7 | 47.3 |
| 48 | 38.1 | 34.8 | 35.3 | 36.4 | 37.6 | 38.8 | 39.9 | 41.0 | 42.0 | 42.9 | 43.7 | 44.5 | 45.3 | 46.0 | 46.6 | 47.2 |
| 49 | 34.1 | 33.6 | 34.7 | 36.0 | 37.3 | 38.5 | 39.7 | 40.8 | 41.9 | 42.8 | 43.7 | 44.5 | 45.2 | 45.9 | 46.6 | 47.2 |
| 50 | 32.1 | 32.8 | 34.2 | 35.6 | 37.0 | 38.4 | 39.6 | 40.7 | 41.8 | 42.7 | 43.6 | 44.4 | 45.2 | 45.9 | 46.5 | 47.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.60

THREE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.1 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.8 | 62.5 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.3 | 61.0 | 58.2 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.8 | 59.8 | 57.2 | 55.9 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.2 | 58.9 | 56.3 | 55.1 | 54.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.5 | 58.1 | 55.4 | 54.2 | 53.7 | 53.5 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.7 | 57.7 | 54.7 | 53.5 | 52.9 | 52.7 | 52.7 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76.2 | 57.5 | 54.0 | 52.7 | 52.1 | 52.0 | 52.0 | 52.2 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.0 | 53.5 | 52.0 | 51.4 | 51.2 | 51.3 | 51.5 | 51.7 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.7 | 53.2 | 51.3 | 50.6 | 50.4 | 50.5 | 50.7 | 51.0 | 51.4 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 65.5 | 53.2 | 50.6 | 49.8 | 49.6 | 49.7 | 50.0 | 50.3 | 50.7 | 51.1 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 53.9 | 50.1 | 49.0 | 48.8 | 48.9 | 49.2 | 49.6 | 50.0 | 50.4 | 50.9 |
| 40 | 0. | 0. | 0. | 0. | 0. | 56.7 | 49.9 | 48.3 | 47.9 | 48.0 | 48.3 | 48.8 | 49.2 | 49.7 | 50.2 | 50.7 |
| 41 | 0. | 0. | 0. | 0. | 74.3 | 50.2 | 47.7 | 47.1 | 47.1 | 47.5 | 47.9 | 48.4 | 49.0 | 49.5 | 50.0 | 50.5 |
| 42 | 0. | 0. | 0. | 0. | 52.2 | 47.2 | 46.2 | 46.2 | 46.5 | 47.0 | 47.6 | 48.1 | 48.7 | 49.3 | 49.9 | 50.4 |
| 43 | 0. | 0. | 0. | 63.6 | 47.3 | 45.4 | 45.2 | 45.5 | 46.0 | 46.6 | 47.3 | 47.9 | 48.5 | 49.2 | 49.7 | 50.3 |
| 44 | 0. | 0. | 0. | 49.0 | 44.8 | 44.2 | 44.4 | 45.0 | 45.6 | 46.3 | 47.0 | 47.7 | 48.4 | 49.0 | 49.6 | 50.2 |
| 45 | 0. | 0. | 62.5 | 44.8 | 43.3 | 43.3 | 43.8 | 44.5 | 45.3 | 46.1 | 46.8 | 47.6 | 48.3 | 48.9 | 49.5 | 50.1 |
| 46 | 0. | 0. | 46.7 | 42.5 | 42.2 | 42.6 | 43.4 | 44.2 | 45.1 | 45.9 | 46.7 | 47.4 | 48.1 | 48.8 | 49.5 | 50.1 |
| 47 | 0. | 0. | 42.4 | 41.1 | 41.4 | 42.1 | 43.0 | 43.9 | 44.8 | 45.7 | 46.5 | 47.3 | 48.0 | 48.7 | 49.4 | 50.0 |
| 48 | 0. | 45.3 | 40.2 | 40.0 | 40.7 | 41.7 | 42.7 | 43.7 | 44.7 | 45.6 | 46.4 | 47.2 | 48.0 | 48.7 | 49.3 | 49.9 |
| 49 | 0. | 40.2 | 38.8 | 39.3 | 40.3 | 41.3 | 42.4 | 43.5 | 44.5 | 45.4 | 46.3 | 47.1 | 47.9 | 48.6 | 49.3 | 49.9 |
| 50 | 46.9 | 37.8 | 37.7 | 38.7 | 39.9 | 41.1 | 42.2 | 43.3 | 44.4 | 45.3 | 46.2 | 47.1 | 47.8 | 48.6 | 49.2 | 49.9 |

4-HARNESS

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.54

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 23.4 | 22.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 21.3 | 20.7 | 20.4 | 20.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.7 | 21.1 | 20.1 | 19.7 | 19.6 | 19.5 | 19.5 | 19.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 23.8 | 20.0 | 19.1 | 18.9 | 18.8 | 18.8 | 18.9 | 19.0 | 19.1 | 19.3 |
| 16 | 0. | 0. | 0. | 0. | 28.1 | 19.1 | 18.2 | 18.0 | 18.0 | 18.1 | 18.3 | 18.4 | 18.6 | 18.8 | 18.9 | 19.1 |
| 17 | 0. | 0. | 0. | 18.7 | 17.3 | 17.1 | 17.2 | 17.3 | 17.5 | 17.8 | 18.0 | 18.2 | 18.4 | 18.6 | 18.8 | 19.0 |
| 18 | 0. | 26.8 | 16.4 | 16.0 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.8 | 18.1 | 18.3 | 18.5 | 18.7 | 18.9 |
| 19 | 16.9 | 14.8 | 14.9 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 | 18.2 | 18.5 | 18.7 | 18.9 |
| 20 | 13.3 | 13.7 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.0 | 17.3 | 17.7 | 17.9 | 18.2 | 18.4 | 18.6 | 18.8 |
| 21 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 | 18.6 | 18.8 |
| 22 | 12.0 | 12.9 | 13.7 | 14.4 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.1 | 18.4 | 18.6 | 18.8 |
| 23 | 11.8 | 12.8 | 13.6 | 14.3 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.2 | 17.6 | 17.8 | 18.1 | 18.4 | 18.6 | 18.8 |
| 24 | 11.6 | 12.7 | 13.5 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.6 | 18.8 |
| 25 | 11.6 | 12.6 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 26 | 11.5 | 12.6 | 13.4 | 14.2 | 14.9 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 27 | 11.4 | 12.5 | 13.4 | 14.2 | 14.9 | 15.4 | 16.0 | 16.4 | [illegible].8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 28 | 11.4 | 12.5 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 29 | 11.4 | 12.5 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 30 | 11.4 | 12.5 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 31 | 11.4 | 12.5 | 13.4 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |
| 32 | 11.4 | 12.4 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.56

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 23.4 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.2 | 22.8 | 21.6 | 21.1 | 20.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 21.2 | 20.5 | 20.2 | 20.1 | 20.0 | 20.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.8 | 20.1 | 19.6 | 19.4 | 19.4 | 19.4 | 19.5 | 19.6 | 19.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 21.1 | 19.2 | 18.7 | 18.6 | 18.6 | 18.7 | 18.9 | 19.0 | 19.2 | 19.3 | 19.5 |
| 17 | 0. | 0. | 0. | 23.1 | 18.4 | 17.8 | 17.7 | 17.8 | 18.0 | 18.2 | 18.4 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 |
| 18 | 0. | 0. | 18.1 | 16.8 | 16.7 | 16.9 | 17.1 | 17.4 | 17.7 | 17.9 | 18.2 | 18.4 | 18.7 | 18.9 | 19.1 | 19.3 |
| 19 | 0. | 15.9 | 15.5 | 15.7 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 | 19.0 | 19.2 |
| 20 | 14.1 | 14.2 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 | 19.0 | 19.2 |
| 21 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 |
| 22 | 12.4 | 13.3 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 |
| 23 | 12.1 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 18.9 | 19.1 |
| 24 | 11.9 | 12.9 | 13.8 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 | 18.4 | 18.7 | 18.9 | 19.1 |
| 25 | 11.8 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.2 | 18.4 | 18.7 | 18.9 | 19.1 |
| 26 | 11.7 | 12.8 | 13.7 | 14.5 | 15.2 | 15.7 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 27 | 11.7 | 12.8 | 13.7 | 14.5 | 15.1 | 15.7 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 28 | 11.6 | 12.7 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 29 | 11.6 | 12.7 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 30 | 11.6 | 12.7 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 31 | 11.6 | 12.7 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |
| 32 | 11.6 | 12.7 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.58

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | [illegible] | 25.0 | 22.8 | 21.9 | 21.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 | 22.7 | 21.4 | 20.9 | 20.7 | 20.6 | 20.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 21.3 | 20.4 | 20.0 | 19.9 | 19.9 | 19.9 | 20.0 | 20.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 28.4 | 20.4 | 19.5 | 19.2 | 19.1 | 19.2 | 19.3 | 19.4 | 19.6 | 19.7 | 19.9 |
| 17 | 0. | 0. | 0. | 0. | 20.0 | 18.6 | 18.3 | 18.3 | 18.4 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 | 19.6 | 19.7 |
| 18 | 0. | 0. | 22.3 | 17.8 | 17.3 | 17.4 | 17.6 | 17.8 | 18.1 | 18.3 | 18.6 | 18.8 | 19.0 | 19.3 | 19.5 | 19.6 |
| 19 | 0. | 17.7 | 16.3 | 16.2 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.2 | 19.4 | 19.6 |
| 20 | 15.4 | 14.9 | 15.2 | 15.6 | 16.1 | 16.5 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 | 19.3 | 19.6 |
| 21 | 13.4 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.8 | 19.1 | 19.3 | 19.5 |
| 22 | 12.7 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 | 19.5 |
| 23 | 12.4 | 13.4 | 14.2 | 14.9 | 15.6 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 24 | 12.2 | 13.2 | 14.1 | 14.9 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 25 | 12.1 | 13.1 | 14.0 | 14.8 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 26 | 12.0 | 13.1 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 27 | 11.9 | 13.0 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |
| 28 | 11.9 | 13.0 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |
| 29 | 11.8 | 12.9 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |
| 30 | 11.8 | 12.9 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |
| 31 | 11.8 | 12.9 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |
| 32 | 11.8 | 12.9 | 13.9 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.65

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 24.9 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.5 | 24.6 | 23.3 | 22.8 | 22.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 23.1 | 22.2 | 21.9 | 21.7 | 21.7 | 21.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.0 | 22.1 | 21.4 | 21.1 | 21.0 | 21.0 | 21.1 | 21.2 | 21.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 26.7 | 21.4 | 20.5 | 20.3 | 20.2 | 20.3 | 20.4 | 20.6 | 20.7 | 20.9 | 21.0 |
| 18 | 0. | 0. | 0. | 0. | 21.1 | 19.7 | 19.4 | 19.4 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 |
| 19 | 0. | 0. | 25.8 | 19.0 | 18.4 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 | 19.7 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 20 | 0. | 19.8 | 17.4 | 17.3 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.3 | 20.5 | 20.7 |
| 21 | 17.2 | 16.0 | 16.2 | 16.6 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.7 |
| 22 | 14.5 | 15.0 | 15.6 | 16.2 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 |
| 23 | 13.6 | 14.5 | 15.3 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.7 |
| 24 | 13.2 | 14.2 | 15.1 | 15.9 | 16.5 | 17.1 | 17.7 | 18.1 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 |
| 25 | 13.0 | 14.0 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 |
| 26 | 12.8 | 13.9 | 14.9 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 |
| 27 | 12.7 | 13.9 | 14.8 | 15.6 | 16.4 | 17.0 | 17.5 | 18.0 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 |
| 28 | 12.6 | 13.8 | 14.8 | 15.6 | 16.3 | 17.0 | 17.5 | 18.0 | 18.5 | 18.9 | 19.2 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 |
| 29 | 12.6 | 13.8 | 14.7 | 15.6 | 16.3 | 17.0 | 17.5 | 18.0 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 |
| 30 | 12.5 | 13.7 | 14.7 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.4 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 |
| 31 | 12.5 | 13.7 | 14.7 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 |
| 32 | 12.5 | 13.7 | 14.7 | 15.5 | 16.3 | 16.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.66

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.5 | 25.6 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.4 | 23.8 | 23.1 | 22.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 23.8 | 22.7 | 22.2 | 22.0 | 21.9 | 21.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 22.8 | 21.8 | 21.4 | 21.2 | 21.2 | 21.3 | 21.4 | 21.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 20.9 | 20.6 | 20.5 | 20.5 | 20.6 | 20.8 | 20.9 | 21.1 | 21.2 |
| 18 | 0. | 0. | 0. | 0. | 22.3 | 20.1 | 19.7 | 19.6 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 |
| 19 | 0. | 0. | 0. | 19.6 | 18.8 | 18.7 | 18.8 | 19.1 | 19.3 | 19.6 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 20 | 0. | 22.5 | 17.9 | 17.6 | 17.8 | 18.1 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 | 20.9 |
| 21 | 18.7 | 16.4 | 16.4 | 16.8 | 17.3 | 17.7 | 18.1 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 | 20.9 |
| 22 | 14.8 | 15.2 | 15.8 | 16.4 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.8 |
| 23 | 13.8 | 14.7 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.3 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 |
| 24 | 13.4 | 14.4 | 15.2 | 16.0 | 16.7 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 |
| 25 | 13.1 | 14.2 | 15.1 | 15.9 | 16.6 | 17.2 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 |
| 26 | 12.9 | 14.1 | 15.0 | 15.8 | 16.5 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 27 | 12.8 | 14.0 | 14.9 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 28 | 12.7 | 13.9 | 14.9 | 15.7 | 16.5 | 17.1 | 17.[illegible] | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 29 | 12.7 | 13.9 | 14.9 | 15.7 | 16.4 | 17.1 | 17.6 | 18.2 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 30 | 12.6 | 13.8 | 14.8 | 15.7 | 16.4 | 17.1 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 31 | 12.6 | 13.8 | 14.8 | 15.7 | 16.4 | 17.1 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |
| 32 | 12.6 | 13.8 | 14.8 | 15.7 | 16.4 | 17.1 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.67

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.6 | 26.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 24.4 | 23.5 | 23.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 23.1 | 22.5 | 22.3 | 22.2 | 22.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 22.2 | 21.7 | 21.5 | 21.5 | 21.5 | 21.6 | 21.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 21.4 | 20.9 | 20.7 | 20.8 | 20.8 | 21.0 | 21.1 | 21.3 | 21.4 |
| 18 | 0. | 0. | 0. | 0. | 24.0 | 20.7 | 20.0 | 19.9 | 20.0 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.2 |
| 19 | 0. | 0. | 0. | 20.4 | 19.2 | 19.0 | 19.1 | 19.3 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 |
| 20 | 0. | 0. | 18.4 | 17.9 | 18.0 | 18.3 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 |
| 21 | 22.0 | 16.8 | 16.7 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 22 | 15.2 | 15.5 | 16.0 | 16.6 | 17.1 | 17.7 | 18.1 | 18.6 | 19.0 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 |
| 23 | 14.1 | 14.9 | 15.6 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 |
| 24 | 13.5 | 14.5 | 15.4 | 16.1 | 16.8 | 17.4 | 17.9 | 18.4 | 18.9 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 |
| 25 | 13.2 | 14.3 | 15.2 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 20.9 |
| 26 | 13.1 | 14.2 | 15.1 | 16.0 | 16.7 | 17.3 | 17.9 | 18.3 | 18.8 | 19.2 | 19.5 | 19.9 | 20.2 | 20.5 | 20.7 | 20.9 |
| 27 | 12.9 | 14.1 | 15.1 | 15.9 | 16.6 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.5 | 19.9 | 20.2 | 20.4 | 20.7 | 20.9 |
| 28 | 12.9 | 14.0 | 15.0 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.8 | 19.2 | 19.5 | 19.9 | 20.2 | 20.4 | 20.7 | 20.9 |
| 29 | 12.8 | 14.0 | 15.0 | 15.8 | 16.6 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.2 | 20.4 | 20.7 | 20.9 |
| 30 | 12.8 | 13.9 | 15.0 | 15.8 | 16.6 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 |
| 31 | 12.7 | 13.9 | 14.9 | 15.8 | 16.5 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 |
| 32 | 12.7 | 13.9 | 14.9 | 15.8 | 16.5 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.68

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 25.0 | 24.0 | 23.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.7 | 23.7 | 22.9 | 22.6 | 22.4 | 22.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.5 | 22.7 | 22.0 | 21.8 | 21.7 | 21.7 | 21.8 | 21.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 24.2 | 21.3 | 21.2 | 21.0 | 21.0 | 21.1 | 21.2 | 21.3 | 21.4 | 21.6 |
| 18 | 0. | 0. | 0. | 0. | 27.8 | 21.2 | 20.4 | 20.2 | 20.2 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.2 | 21.4 |
| 19 | 0. | 0. | 0. | 21.5 | 19.6 | 19.3 | 19.3 | 19.5 | 19.7 | 20.0 | 20.2 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 20 | 0. | 0. | 19.1 | 18.2 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 | 21.2 |
| 21 | 0. | 17.3 | 17.0 | 17.3 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 22 | 15.7 | 15.7 | 16.2 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 |
| 23 | 14.3 | 15.0 | 15.8 | 16.5 | 17.1 | 17.7 | 18.2 | 18.6 | 19.1 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 |
| 24 | 13.7 | 14.7 | 15.5 | 16.3 | 17.0 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 |
| 25 | 13.4 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.0 | 18.5 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 |
| 26 | 13.2 | 14.3 | 15.3 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 |
| 27 | 13.1 | 14.2 | 15.2 | 16.0 | 16.8 | 17.4 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 |
| 28 | 13.0 | 14.1 | 15.1 | 16.0 | 16.7 | 17.4 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |
| 29 | 12.9 | 14.1 | 15.1 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |
| 30 | 12.9 | 14.1 | 15.1 | 15.9 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |
| 31 | 12.8 | 14.0 | 15.0 | 15.9 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |
| 32 | 12.8 | 14.0 | 15.0 | 15.9 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.6 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.69

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.2 | 25.8 | 24.4 | 23.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.2 | 23.3 | 22.9 | 22.7 | 22.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 23.2 | 22.4 | 22.1 | 22.0 | 22.0 | 22.0 | 22.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 22.4 | 21.6 | 21.3 | 21.2 | 21.3 | 21.4 | 21.5 | 21.6 | 21.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 21.9 | 20.8 | 20.5 | 20.4 | 20.5 | 20.7 | 20.9 | 21.0 | 21.2 | 21.4 | 21.6 |
| 19 | 0. | 0. | 0. | 23.0 | 20.0 | 19.6 | 19.5 | 19.7 | 19.9 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 | 21.3 | 21.5 |
| 20 | 0. | 0. | 20.0 | 18.6 | 18.5 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 |
| 21 | 0. | 18.0 | 17.3 | 17.5 | 17.8 | 18.3 | 18.7 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 | 21.4 |
| 22 | 16.2 | 16.0 | 16.4 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 |
| 23 | 14.6 | 15.2 | 16.0 | 16.6 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 19.9 | 20.3 | 20.5 | 20.8 | 21.1 | 21.3 |
| 24 | 13.9 | 14.8 | 15.7 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 |
| 25 | 13.5 | 14.6 | 15.5 | 16.3 | 17.0 | 17.6 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 |
| 26 | 13.3 | 14.4 | 15.4 | 16.2 | 16.9 | 17.6 | 18.1 | 18.6 | 19.1 | 19.5 | 19.8 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 |
| 27 | 13.2 | 14.3 | 15.3 | 16.2 | 16.9 | 17.5 | 18.1 | 18.6 | 19.1 | 19.5 | 19.8 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 28 | 13.1 | 14.3 | 15.3 | 16.1 | 16.9 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 29 | 13.0 | 14.2 | 15.2 | 16.1 | 16.8 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.5 | 20.7 | 21.0 | 21.2 |
| 30 | 13.0 | 14.2 | 15.2 | 16.1 | 16.8 | 17.5 | 18.0 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 |
| 31 | 12.9 | 14.1 | 15.2 | 16.0 | 16.8 | 17.5 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 |
| 32 | 12.9 | 14.1 | 15.1 | 16.0 | 16.8 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.70

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 24.9 | 24.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 24.9 | 23.7 | 23.2 | 23.0 | 22.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 23.8 | 22.8 | 22.4 | 22.2 | 22.2 | 22.2 | 22.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 23.0 | 21.9 | 21.6 | 21.5 | 21.5 | 21.6 | 21.7 | 21.8 | 22.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 22.8 | 21.2 | 20.8 | 20.7 | 20.8 | 20.9 | 21.1 | 21.2 | 21.4 | 21.6 | 21.8 |
| 19 | 0. | 0. | 0. | 26.0 | 20.6 | 19.9 | 19.8 | 19.9 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 | 21.2 | 21.5 | 21.7 |
| 20 | 0. | 0. | 21.1 | 19.0 | 18.8 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 |
| 21 | 0. | 18.7 | 17.6 | 17.7 | 18.1 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.5 |
| 22 | 16.8 | 16.3 | 16.6 | 17.1 | 17.7 | 18.2 | 18.6 | 19.1 | 19.4 | 19.8 | 20.1 | 20.5 | 20.7 | 21.0 | 21.3 | 21.5 |
| 23 | 14.8 | 15.4 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 18.9 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 |
| 24 | 14.1 | 15.0 | 15.8 | 16.6 | 17.3 | 17.8 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 |
| 25 | 13.7 | 14.7 | 15.7 | 16.4 | 17.1 | 17.8 | 18.3 | 18.8 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 |
| 26 | 13.4 | 14.6 | 15.5 | 16.4 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 |
| 27 | 13.3 | 14.5 | 15.4 | 16.3 | 17.0 | 17.7 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 |
| 28 | 13.2 | 14.4 | 15.4 | 16.2 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 |
| 29 | 13.1 | 14.3 | 15.3 | 16.2 | 17.0 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 |
| 30 | 13.1 | 14.3 | 15.3 | 16.2 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 19.9 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 |
| 31 | 13.0 | 14.2 | 15.3 | 16.2 | 16.9 | 17.6 | 18.2 | 18.7 | 19.1 | 19.6 | 19.9 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 |
| 32 | 13.0 | 14.2 | 15.3 | 16.1 | 16.9 | 17.6 | 18.2 | 18.7 | 19.1 | 19.6 | 19.9 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 |

[redacted]

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.71

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 25.5 | 24.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.6 | 25.7 | 24.2 | 23.6 | 23.2 | 23.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 24.5 | 23.2 | 22.7 | 22.5 | 22.4 | 22.4 | 22.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.8 | 22.4 | 21.9 | 21.7 | 21.7 | 21.8 | 21.9 | 22.0 | 22.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 23.9 | 21.6 | 21.1 | 20.9 | 21.0 | 21.1 | 21.3 | 21.4 | 21.6 | 21.8 | 21.9 |
| 19 | 0. | 0. | 0. | 0. | 21.2 | 20.2 | 20.1 | 20.1 | 20.3 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 | 21.6 | 21.8 |
| 20 | 0. | 0. | 22.9 | 19.5 | 19.1 | 19.2 | 19.4 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.1 | 21.3 | 21.5 | 21.7 |
| 21 | 0. | 19.8 | 18.0 | 18.0 | 18.3 | 18.6 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 22 | 17.7 | 16.6 | 16.9 | 17.3 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 |
| 23 | 15.1 | 15.6 | 16.5 | 17.0 | 17.6 | 18.1 | 18.6 | 19.1 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 |
| 24 | 14.3 | 15.2 | 16.0 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 | 21.4 | 21.6 |
| 25 | 13.8 | 14.9 | 15.8 | 16.6 | 17.3 | 17.9 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 |
| 26 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 |
| 27 | 13.4 | 14.6 | 15.6 | 16.4 | 17.2 | 17.8 | 18.4 | 18.9 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 |
| 28 | 13.3 | 14.5 | 15.5 | 16.4 | 17.1 | 17.8 | 18.3 | 18.9 | 19.3 | 19.7 | 20.1 | 20.4 | 20.8 | 21.0 | 21.3 | 21.5 |
| 29 | 13.2 | 14.4 | 15.4 | 16.3 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 |
| 30 | 13.2 | 14.4 | 15.4 | 16.3 | 17.1 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | [illegible] | 20.7 | 21.0 | 21.3 | 21.5 |
| 31 | 13.1 | 14.4 | 15.4 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 |
| 32 | 13.1 | 14.3 | 15.4 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.72

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.5 | 26.1 | 25.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 24.7 | 23.9 | 23.5 | 23.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.6 | 23.0 | 22.8 | 22.7 | 22.7 | 22.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 22.8 | 22.2 | 22.0 | 22.0 | 22.0 | 22.1 | 22.2 | 22.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 25.6 | 22.1 | 21.4 | 21.2 | 21.2 | 21.3 | 21.4 | 21.6 | 21.8 | 21.9 | 22.1 |
| 19 | 0. | 0. | 0. | 0. | 21.9 | 20.6 | 20.3 | 20.4 | 20.5 | 20.7 | 20.9 | 21.2 | 21.4 | 21.6 | 21.8 | 22.0 |
| 20 | 0. | 0. | 27.0 | 20.0 | 19.4 | 19.4 | 19.6 | 19.9 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 | 21.9 |
| 21 | 0. | 21.4 | 18.4 | 18.3 | 18.5 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.6 | 20.8 | 21.1 | 21.4 | 21.6 | 21.8 |
| 22 | 18.9 | 17.0 | 17.1 | 17.5 | 18.0 | 18.5 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 |
| 23 | 15.5 | 15.9 | 16.5 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.8 |
| 24 | 14.5 | 15.3 | 16.1 | 16.9 | 17.5 | 18.1 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 25 | 14.0 | 15.0 | 15.9 | 16.7 | 17.4 | 18.0 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 |
| 26 | 13.7 | 14.8 | 15.8 | 16.6 | 17.3 | 18.0 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 |
| 27 | 13.5 | 14.7 | 15.7 | 16.5 | 17.3 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 |
| 28 | 13.4 | 14.6 | 15.6 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 |
| 29 | 13.3 | 14.5 | 15.6 | 16.4 | 17.2 | 17.9 | 18.5 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 30 | 13.3 | 14.5 | 15.5 | 16.4 | 17.2 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 31 | 13.2 | 14.5 | 15.5 | 16.4 | 17.2 | 17.8 | 18.4 | 19.0 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 32 | 13.2 | 14.4 | 15.5 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 33 | 13.2 | 14.4 | 15.5 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 34 | 13.1 | 14.4 | 15.5 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 35 | 13.1 | 14.4 | 15.4 | 16.3 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 36 | 13.1 | 14.4 | 15.4 | 16.3 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 37 | 13.1 | 14.4 | 15.4 | 16.3 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |
| 38 | 13.1 | 14.4 | 15.4 | 16.3 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.73

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 | 26.9 | 25.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 25.2 | 24.3 | 23.9 | 23.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 24.1 | 23.4 | 23.0 | 22.9 | 22.9 | 22.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 23.3 | 22.6 | 22.3 | 22.2 | 22.2 | 22.3 | 22.4 | 22.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 28.9 | 22.7 | 21.8 | 21.5 | 21.4 | 21.5 | 21.6 | 21.8 | 22.0 | 22.1 | 22.3 |
| 19 | 0. | 0. | 0. | 0. | 22.9 | 21.0 | 20.6 | 20.6 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 |
| 20 | 0. | 0. | 0. | 20.6 | 19.7 | 19.6 | 19.8 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 | 21.8 | 22.1 |
| 21 | 0. | 24.8 | 18.9 | 18.5 | 18.7 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.8 | 22.0 |
| 22 | 20.9 | 17.4 | 17.4 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 23 | 15.8 | 16.1 | 16.7 | 17.3 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.5 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 |
| 24 | 14.7 | 15.5 | 16.3 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.7 | 21.9 |
| 25 | 14.2 | 15.2 | 16.1 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 |
| 26 | 13.9 | 15.0 | 15.9 | 16.7 | 17.5 | 18.1 | 18.7 | 19.2 | 19.6 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 |
| 27 | 13.7 | 14.8 | 15.8 | 16.7 | 17.4 | 18.1 | 18.6 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.1 | 21.3 | 21.6 | 21.9 |
| 28 | 13.5 | 14.7 | 15.7 | 16.6 | 17.4 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.1 | 21.3 | 21.6 | 21.9 |
| 29 | 13.4 | 14.7 | 15.7 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 30 | 13.4 | 14.6 | 15.6 | 16.5 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 31 | 13.3 | 14.6 | 15.6 | 16.5 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 32 | 13.3 | 14.5 | 15.6 | 16.5 | 17.3 | 17.9 | 18.5 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 33 | 13.3 | 14.5 | 15.6 | 16.5 | 17.3 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 34 | 13.2 | 14.5 | 15.6 | 16.5 | 17.3 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 35 | 13.2 | 14.5 | 15.6 | 16.5 | 17.2 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 36 | 13.2 | 14.5 | 15.5 | 16.5 | 17.2 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 37 | 13.2 | 14.5 | 15.5 | 16.4 | 17.2 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |
| 38 | 13.2 | 14.5 | 15.5 | 16.4 | 17.2 | 17.9 | 18.5 | 19.1 | 19.5 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.74

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 26.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 25.9 | 24.7 | 24.2 | 23.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 24.7 | 23.8 | 23.3 | 23.2 | 23.1 | 23.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 23.9 | 22.9 | 22.6 | 22.4 | 22.4 | 22.5 | 22.6 | 22.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 23.4 | 22.1 | 21.8 | 21.7 | 21.7 | 21.8 | 22.0 | 22.1 | 22.3 | 22.5 |
| 19 | 0. | 0. | 0. | 0. | 24.2 | 21.5 | 20.9 | 20.8 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 |
| 20 | 0. | 0. | 0. | 21.3 | 20.1 | 19.9 | 20.0 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 |
| 21 | 0. | 0. | 19.4 | 18.8 | 18.9 | 19.2 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 | 22.2 |
| 22 | 28.1 | 17.8 | 17.6 | 17.9 | 18.4 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 |
| 23 | 16.2 | 16.3 | 16.9 | 17.5 | 18.0 | 18.6 | 19.1 | 19.5 | 20.0 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.1 |
| 24 | 14.9 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 25 | 14.3 | 15.3 | 16.2 | 17.0 | 17.7 | 18.3 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 |
| 26 | 14.0 | 15.1 | 16.0 | 16.9 | 17.6 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 |
| 27 | 13.8 | 14.9 | 15.9 | 16.8 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 |
| 28 | 13.6 | 14.8 | 15.9 | 16.7 | 17.5 | 18.2 | 18.7 | 19.3 | 19.7 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 |
| 29 | 13.5 | 14.8 | 15.8 | 16.7 | 17.5 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 30 | 13.5 | 14.7 | 15.8 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 31 | 13.4 | 14.7 | 15.7 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 32 | 13.4 | 14.6 | 15.7 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 |
| 33 | 13.4 | 14.6 | 15.7 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |
| 34 | 13.3 | 14.6 | 15.7 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |
| 35 | 13.3 | 14.6 | 15.7 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |
| 36 | 13.3 | 14.6 | 15.7 | 16.6 | 17.4 | 18.0 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |
| 37 | 13.3 | 14.6 | 15.6 | 16.6 | 17.4 | 18.0 | 18.6 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |
| 38 | 13.3 | 14.6 | 15.6 | 16.6 | 17.4 | 18.0 | 18.6 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.75

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 26.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 26.6 | 25.1 | 24.5 | 24.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 25.3 | 24.1 | 23.7 | 23.4 | 23.3 | 23.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 24.5 | 23.3 | 22.9 | 22.7 | 22.7 | 22.7 | 22.8 | 22.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 22.6 | 22.1 | 21.9 | 22.0 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 |
| 19 | 0. | 0. | 0. | 0. | 26.2 | 22.0 | 21.3 | 21.1 | 21.2 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 |
| 20 | 0. | 0. | 0. | 22.2 | 20.5 | 20.2 | 20.2 | 20.4 | 20.7 | 20.9 | 21.2 | 21.5 | 21.7 | 21.9 | 22.2 | 22.4 |
| 21 | 0. | 0. | 20.1 | 19.2 | 19.2 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.1 | 22.3 |
| 22 | 0. | 18.4 | 17.9 | 18.2 | 18.6 | 19.0 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 |
| 23 | 16.7 | 16.6 | 17.1 | 17.6 | 18.2 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 24 | 15.2 | 15.9 | 16.6 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.2 |
| 25 | 14.5 | 15.5 | 16.4 | 17.1 | 17.8 | 18.5 | 19.0 | 19.5 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 |
| 26 | 14.1 | 15.2 | 16.2 | 17.0 | 17.7 | 18.4 | 19.0 | 19.5 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 |
| 27 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.6 | 21.9 | 22.2 |
| 28 | 13.8 | 15.0 | 16.0 | 16.9 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.9 | 22.2 |
| 29 | 13.6 | 14.9 | 15.9 | 16.8 | 17.6 | 18.3 | 18.8 | 19.4 | 19.8 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 30 | 13.6 | 14.8 | 15.9 | 16.8 | 17.5 | 18.2 | 18.8 | 19.4 | 19.8 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 31 | 13.5 | 14.8 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 32 | 13.5 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 33 | 13.5 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 34 | 13.4 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 35 | 13.4 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 36 | 13.4 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 37 | 13.4 | 14.7 | 15.8 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |
| 38 | 13.4 | 14.7 | 15.7 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.76

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 27.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 25.6 | 24.9 | 24.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.3 | 26.1 | 24.6 | 24.0 | 23.7 | 23.6 | 23.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.7 | 23.2 | 23.0 | 22.9 | 22.9 | 23.0 | 23.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.0 | 22.4 | 22.2 | 22.2 | 22.2 | 22.4 | 22.5 | 22.7 | 22.8 |
| 19 | 0. | 0. | 0. | 0. | 31.3 | 22.6 | 21.6 | 21.4 | 21.4 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.7 |
| 20 | 0. | 0. | 0. | 23.5 | 20.9 | 20.5 | 20.5 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 | 22.3 | 22.5 |
| 21 | 0. | 0. | 20.9 | 19.5 | 19.4 | 19.6 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 | 22.5 |
| 22 | 0. | 19.0 | 18.2 | 18.4 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 23 | 17.3 | 16.9 | 17.3 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.3 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 | 22.4 |
| 24 | 15.4 | 16.1 | 16.8 | 17.5 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.8 | 22.1 | 22.4 |
| 25 | 14.7 | 15.6 | 16.5 | 17.3 | 18.0 | 18.6 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 |
| 26 | 14.3 | 15.4 | 16.3 | 17.1 | 17.9 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 |
| 27 | 14.0 | 15.2 | 16.2 | 17.0 | 17.8 | 18.5 | 19.0 | 19.6 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 |
| 28 | 13.9 | 15.1 | 16.1 | 17.0 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 |
| 29 | 13.8 | 15.0 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 |
| 30 | 13.7 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 |
| 31 | 13.6 | 14.9 | 15.9 | 16.9 | 17.6 | 18.3 | 18.9 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 |
| 32 | 13.6 | 14.9 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 |
| 33 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.5 | 19.9 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 |
| 34 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.5 | 19.9 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 |
| 35 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.5 | 19.9 | 20.4 | 20.8 | 21.1 | 21.5 | 21.7 | 22.0 | 22.3 |
| 36 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 |
| 37 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 |
| 38 | 13.5 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.77

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.1 | 27.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 26.2 | 25.2 | 24.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 25.0 | 24.3 | 24.0 | 23.8 | 23.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 24.2 | 23.5 | 23.2 | 23.1 | 23.1 | 23.2 | 23.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 26.8 | 23.5 | 22.7 | 22.4 | 22.4 | 22.5 | 22.6 | 22.7 | 22.8 | 23.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 23.3 | 22.0 | 21.6 | 21.6 | 21.7 | 21.9 | 22.0 | 22.2 | 22.4 | 22.6 | 22.8 |
| 20 | 0. | 0. | 0. | 25.5 | 21.4 | 20.8 | 20.7 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 | 22.3 | 22.5 | 22.7 |
| 21 | 0. | 0. | 21.9 | 19.9 | 19.7 | 19.8 | 20.1 | 20.4 | 20.7 | 21.1 | 21.4 | 21.6 | 21.9 | 22.2 | 22.4 | 22.6 |
| 22 | 0. | 19.8 | 18.5 | 18.6 | 18.9 | 19.3 | 19.8 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.6 |
| 23 | 18.0 | 17.2 | 17.5 | 18.0 | 18.5 | 19.1 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 |
| 24 | 15.7 | 16.3 | 17.0 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 |
| 25 | 14.9 | 15.8 | 16.7 | 17.4 | 18.1 | 18.7 | 19.3 | 19.8 | 20.2 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 |
| 26 | 14.4 | 15.5 | 16.4 | 17.3 | 18.0 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.7 | 21.9 | 22.2 | 22.5 |
| 27 | 14.2 | 15.3 | 16.3 | 17.2 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.2 | 22.5 |
| 28 | 14.0 | 15.2 | 16.2 | 17.1 | 17.9 | 18.5 | 19.1 | 19.7 | 20.1 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 29 | 13.9 | 15.1 | 16.1 | 17.0 | 17.8 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 30 | 13.8 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 31 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 32 | 13.7 | 15.0 | 16.0 | 17.0 | 17.7 | 18.4 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 33 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 34 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 35 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 36 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 37 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |
| 38 | 13.6 | 14.9 | 16.0 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.78

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.0 | 28.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 26.8 | 25.6 | 25.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 25.6 | 24.7 | 24.3 | 24.1 | 24.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 24.7 | 23.8 | 23.5 | 23.4 | 23.3 | 23.4 | 23.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 24.1 | 23.1 | 22.7 | 22.6 | 22.7 | 22.8 | 22.9 | 23.0 | 23.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 24.1 | 22.4 | 21.9 | 21.8 | 21.9 | 22.1 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 |
| 20 | 0. | 0. | 0. | 30.1 | 21.9 | 21.1 | 21.0 | 21.1 | 21.3 | 21.5 | 21.7 | 22.0 | 22.2 | 22.4 | 22.7 | 22.9 |
| 21 | 0. | 0. | 23.4 | 20.3 | 20.0 | 20.1 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.6 | 22.8 |
| 22 | 0. | 20.8 | 18.9 | 18.9 | 19.1 | 19.5 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 23 | 18.9 | 17.5 | 17.7 | 18.2 | 18.7 | 19.2 | 19.7 | 20.1 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 |
| 24 | 16.0 | 16.5 | 17.1 | 17.8 | 18.4 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.6 | 21.9 | 22.1 | 22.4 | 22.7 |
| 25 | 15.1 | 16.0 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 |
| 26 | 14.6 | 15.6 | 16.6 | 17.4 | 18.1 | 18.8 | 19.4 | 19.9 | 20.3 | 20.8 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 |
| 27 | 14.3 | 15.4 | 16.4 | 17.3 | 18.1 | 18.7 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 |
| 28 | 14.1 | 15.3 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 | 22.3 | 22.6 |
| 29 | 14.0 | 15.2 | 16.3 | 17.2 | 17.9 | 18.6 | 19.2 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 | 22.3 | 22.6 |
| 30 | 13.9 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.2 | 19.8 | 20.2 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 | 22.3 | 22.6 |
| 31 | 13.8 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 32 | 13.8 | 15.1 | 16.1 | 17.1 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 33 | 13.7 | 15.0 | 16.1 | 17.0 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 34 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 35 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 36 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 37 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |
| 38 | 13.7 | 15.0 | 16.1 | 17.0 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.79

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 27.4 | 26.1 | 25.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 26.1 | 25.0 | 24.6 | 24.3 | 24.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.4 | 25.3 | 24.2 | 23.8 | 23.6 | 23.6 | 23.6 | 23.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 38.0 | 24.7 | 23.4 | 23.0 | 22.9 | 22.9 | 23.0 | 23.1 | 23.2 | 23.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 25.1 | 22.8 | 22.2 | 22.1 | 22.1 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 | 23.1 |
| 20 | 0. | 0. | 0. | 0. | 22.5 | 21.4 | 21.2 | 21.3 | 21.4 | 21.7 | 21.9 | 22.1 | 22.4 | 22.6 | 22.8 | 23.0 |
| 21 | 0. | 0. | 26.2 | 20.8 | 20.2 | 20.3 | 20.5 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 | 22.9 |
| 22 | 0. | 22.4 | 19.3 | 19.1 | 19.4 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 23 | 20.2 | 17.9 | 18.0 | 18.4 | 18.9 | 19.4 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.8 | 22.1 | 22.3 | 22.6 | 22.8 |
| 24 | 16.3 | 16.7 | 17.3 | 18.0 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 |
| 25 | 15.3 | 16.1 | 17.0 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.5 | 22.8 |
| 26 | 14.7 | 15.8 | 16.7 | 17.5 | 18.3 | 18.9 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.5 | 22.8 |
| 27 | 14.4 | 15.6 | 16.6 | 17.4 | 18.2 | 18.8 | 19.4 | 20.0 | 20.4 | 20.9 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 |
| 28 | 14.2 | 15.4 | 16.5 | 17.3 | 18.1 | 18.8 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 |
| 29 | 14.1 | 15.3 | 16.4 | 17.3 | 18.1 | 18.8 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 |
| 30 | 14.0 | 15.3 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 |
| 31 | 13.9 | 15.2 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 |
| 32 | 13.9 | 15.2 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.3 | 20.3 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 33 | 13.8 | 15.1 | 16.2 | 17.2 | 18.0 | 18.7 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 34 | 13.8 | 15.1 | 16.2 | 17.1 | 18.0 | 18.7 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 35 | 13.8 | 15.1 | 16.2 | 17.1 | 17.9 | 18.7 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 36 | 13.8 | 15.1 | 16.2 | 17.1 | 17.9 | 18.7 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 37 | 13.8 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |
| 38 | 13.7 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.80

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.3 | 28.3 | 26.5 | 25.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 | 26.8 | 25.4 | 24.9 | 24.6 | 24.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.9 | 25.9 | 24.6 | 24.1 | 23.9 | 23.8 | 23.8 | 23.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 23.8 | 23.3 | 23.1 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 26.6 | 23.3 | 22.5 | 22.3 | 22.3 | 22.4 | 22.6 | 22.8 | 22.9 | 23.1 | 23.3 |
| 20 | 0. | 0. | 0. | 0. | 23.3 | 21.8 | 21.5 | 21.5 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 | 22.8 | 23.0 | 23.2 |
| 21 | 0. | 0. | 0. | 21.3 | 20.5 | 20.5 | 20.7 | 21.0 | 21.3 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | [illegible] | 23.1 |
| 22 | 0. | 25.4 | 19.7 | 19.4 | 19.6 | 19.9 | 20.3 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 |
| 23 | 22.5 | 18.3 | 18.2 | 18.6 | 19.0 | 19.5 | 20.0 | 20.4 | 20.9 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 | 23.0 |
| 24 | 16.7 | 16.9 | 17.5 | 18.1 | 18.7 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.2 | 22.4 | 22.7 | 22.9 |
| 25 | 15.5 | 16.3 | 17.1 | 17.9 | 18.5 | 19.2 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 22.9 |
| 26 | 14.9 | 15.9 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 | 22.7 | 22.9 |
| 27 | 14.6 | 15.7 | 16.7 | 17.6 | 18.3 | 19.0 | 19.6 | 20.1 | 20.6 | 21.0 | 21.4 | 21.7 | 22.1 | 22.4 | 22.6 | 22.9 |
| 28 | 14.3 | 15.5 | 16.6 | 17.5 | 18.2 | 18.9 | 19.5 | 20.1 | 20.5 | 21.0 | 21.4 | 21.7 | 22.1 | 22.4 | 22.6 | 22.9 |
| 29 | 14.2 | 15.4 | 16.5 | 17.4 | 18.2 | 18.9 | 19.5 | 20.0 | 20.5 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 30 | 14.1 | 15.4 | 16.4 | 17.4 | 18.2 | 18.8 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 31 | 14.0 | 15.3 | 16.4 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 32 | 14.0 | 15.3 | 16.4 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 33 | 13.9 | 15.2 | 16.3 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 34 | 13.9 | 15.2 | 16.3 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 35 | 13.9 | 15.2 | 16.3 | 17.2 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 36 | 13.9 | 15.2 | 16.3 | 17.2 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 37 | 13.8 | 15.2 | 16.3 | 17.2 | 18.0 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |
| 38 | 13.8 | 15.2 | 16.3 | 17.2 | 18.0 | 18.8 | 19.4 | 20.0 | 20.4 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.81

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 27.0 | 26.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 27.6 | 25.9 | 25.2 | 24.9 | 24.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 25.0 | 24.4 | 24.1 | 24. | 24.0 | 24.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 24.3 | 23.6 | 23.4 | 23.3 | 23.4 | 23.4 | 23.6 | 23.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 29.1 | 23.8 | 22.9 | 22.6 | 22.6 | 22.6 | 22.8 | 22.9 | 23.1 | 23.3 | 23.5 |
| 20 | 0. | 0. | 0. | 0. | 24.2 | 22.2 | 21.7 | 21.7 | 21.8 | 22.0 | 22.2 | 22.5 | 22.7 | 22.9 | 23.1 | 23.3 |
| 21 | 0. | 0. | 0. | 22.0 | 20.9 | 20.8 | 20.9 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 | 23.2 |
| 22 | 0. | 0. | 20.3 | 19.7 | 19.8 | 20.1 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 22.9 | 23.2 |
| 23 | 34.1 | 18.7 | 18.5 | 18.8 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.1 | 22.4 | 22.6 | 22.9 | 23.1 |
| 24 | 17.1 | 17.2 | 17.7 | 18.3 | 18.9 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.1 |
| 25 | 15.7 | 16.5 | 17.3 | 18.0 | 18.7 | 19.3 | 19.8 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.8 | 23.1 |
| 26 | 15.1 | 16.1 | 17.0 | 17.8 | 18.5 | 19.2 | 19.8 | 20.3 | 20.7 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 |
| 27 | 14.7 | 15.8 | 16.8 | 17.7 | 18.4 | 19.1 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.0 |
| 28 | 14.5 | 15.7 | 16.7 | 17.6 | 18.4 | 19.0 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.0 |
| 29 | 14.3 | 15.6 | 16.6 | 17.5 | 18.3 | 19.0 | 19.6 | 20.2 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.8 | 23.0 |
| 30 | 14.2 | 15.5 | 16.5 | 17.5 | 18.3 | 19.0 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.8 | 23.0 |
| 31 | 14.1 | 15.4 | 16.5 | 17.4 | 18.2 | 18.9 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.7 | 23.0 |
| 32 | 14.1 | 15.4 | 16.5 | 17.4 | 18.2 | 18.9 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.7 | 23.0 |
| 33 | 14.0 | 15.3 | 16.4 | 17.4 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.5 | 21.8 | 22.2 | 22.5 | 22.7 | 23.0 |
| 34 | 14.0 | 15.3 | 16.4 | 17.4 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 |
| 35 | 14.0 | 15.3 | 16.4 | 17.4 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 |
| 36 | 13.9 | 15.3 | 16.4 | 17.3 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 |
| 37 | 13.9 | 15.3 | 16.4 | 17.3 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 |
| 38 | 13.9 | 15.3 | 16.4 | 17.3 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.82

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 27.6 | 26.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 26.4 | 25.5 | 25.1 | 24.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 | 25.5 | 24.7 | 24.4 | 24.2 | 24.2 | 24.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 24.8 | 23.9 | 23.6 | 23.5 | 23.6 | 23.6 | 23.7 | 23.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 37.2 | 24.4 | 23.2 | 22.9 | 22.8 | 22.8 | 23.0 | 23.1 | 23.3 | 23.5 | 23.6 |
| 20 | 0. | 0. | 0. | 0. | 25.5 | 22.6 | 22.0 | 21.9 | 22.0 | 22.2 | 22.4 | 22.6 | 22.9 | 23.1 | 23.3 | 23.5 |
| 21 | 0. | 0. | 0. | 22.7 | 21.2 | 21.0 | 21.1 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 | 22.9 | 23.2 | 23.4 |
| 22 | 0. | 0. | 20.8 | 20.0 | 20.0 | 20.3 | 20.6 | 21.0 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.1 | 23.3 |
| 23 | 0. | 19.2 | 18.7 | 19.0 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.0 | 23.3 |
| 24 | 17.6 | 17.4 | 17.9 | 18.5 | 19.1 | 19.6 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 25 | 15.9 | 16.7 | 17.4 | 18.2 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.4 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 26 | 15.2 | 16.2 | 17.1 | 17.9 | 18.7 | 19.3 | 19.9 | 20.4 | 20.9 | 21.3 | 21.7 | 22.0 | 22.4 | 22.7 | 22.9 | 23.2 |
| 27 | 14.8 | 16.0 | 16.9 | 17.8 | 18.6 | 19.2 | 19.8 | 20.4 | 20.8 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 |
| 28 | 14.6 | 15.8 | 16.8 | 17.7 | 18.5 | 19.2 | 19.8 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 |
| 29 | 14.4 | 15.7 | 16.7 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 |
| 30 | 14.3 | 15.6 | 16.7 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 |
| 31 | 14.2 | 15.5 | 16.6 | 17.5 | 18.4 | 19.1 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 |
| 32 | 14.2 | 15.5 | 16.6 | 17.5 | 18.3 | 19.0 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 |
| 33 | 14.1 | 15.4 | 16.5 | 17.5 | 18.3 | 19.0 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 |
| 34 | 14.1 | 15.4 | 16.5 | 17.5 | 18.3 | 19.0 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 |
| 35 | 14.1 | 15.4 | 16.5 | 17.5 | 18.3 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 |
| 36 | 14.0 | 15.4 | 16.5 | 17.5 | 18.3 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 |
| 37 | 14.0 | 15.4 | 16.5 | 17.4 | 18.3 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 |
| 38 | 14.0 | 15.3 | 16.5 | 17.4 | 18.3 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.83

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.3 | 28.2 | 26.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 26.9 | 25.9 | 25.4 | 25.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 26.0 | 25.0 | 24.7 | 24.5 | 24.4 | 24.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.6 | 25.3 | 24.3 | 23.9 | 23.8 | 23.8 | 23.8 | 23.9 | 24.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 | 23.6 | 23.1 | 23.0 | 23.1 | 23.2 | 23.3 | 23.5 | 23.6 | 23.8 |
| 20 | 0. | 0. | 0. | 0. | 27.4 | 23.1 | 22.3 | 22.2 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 | 23.2 | 23.5 | 23.7 |
| 21 | 0. | 0. | 0. | 23.7 | 21.6 | 21.3 | 21.3 | 21.5 | 21.8 | 22.0 | 22.3 | 22.6 | 22.8 | 23.1 | 23.3 | 23.5 |
| 22 | 0. | 0. | 21.5 | 20.3 | 20.2 | 20.5 | 20.8 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 | 23.5 |
| 23 | 0. | 19.8 | 19.0 | 19.2 | 19.6 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 |
| 24 | 18.2 | 17.7 | 18.1 | 18.6 | 19.2 | 19.8 | 20.3 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 |
| 25 | 16.2 | 16.8 | 17.6 | 18.3 | 19.0 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 |
| 26 | 15.4 | 16.4 | 17.3 | 18.1 | 18.8 | 19.5 | 20.0 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 |
| 27 | 15.0 | 16.1 | 17.1 | 17.9 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 |
| 28 | 14.7 | 15.9 | 16.9 | 17.8 | 18.6 | 19.3 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.1 | 23.3 |
| 29 | 14.5 | 15.8 | 16.8 | 17.8 | 18.6 | 19.3 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 |
| 30 | 14.4 | 15.7 | 16.8 | 17.7 | 18.5 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.8 | 23.0 | 23.3 |
| 31 | 14.3 | 15.6 | 16.7 | 17.7 | 18.5 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 32 | 14.3 | 15.6 | 16.7 | 17.6 | 18.5 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 33 | 14.2 | 15.5 | 16.7 | 17.6 | 18.4 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 34 | 14.2 | 15.5 | 16.6 | 17.6 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 35 | 14.1 | 15.5 | 16.6 | 17.6 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 36 | 14.1 | 15.5 | 16.6 | 17.6 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 37 | 14.1 | 15.5 | 16.6 | 17.6 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |
| 38 | 14.1 | 15.4 | 16.6 | 17.5 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.84

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.6 | 29.0 | 27.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 | 27.5 | 26.3 | 25.7 | 25.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 26.5 | 25.4 | 24.9 | 24.7 | 24.7 | 24.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.3 | 25.9 | 24.6 | 24.2 | 24.0 | 24.0 | 24.0 | 24.1 | 24.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 24.0 | 23.4 | 23.3 | 23.3 | 23.4 | 23.5 | 23.6 | 23.8 | 24.0 |
| 20 | 0. | 0. | 0. | 0. | 31.3 | 23.6 | 22.7 | 22.4 | 22.5 | 22.5 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 |
| 21 | 0. | 0. | 0. | 25.0 | 22.0 | 21.5 | 21.5 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 | 23.5 | 23.7 |
| 22 | 0. | 0. | 22.4 | 20.6 | 20.5 | 20.7 | 21.0 | 21.3 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 | 23.6 |
| 23 | 0. | 20.5 | 19.3 | 19.4 | 19.8 | 20.2 | 20.6 | 21.1 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.6 |
| 24 | 18.9 | 18.0 | 18.3 | 18.8 | 19.4 | 19.9 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 | 23.5 |
| 25 | 16.5 | 17.0 | 17.7 | 18.5 | 19.1 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.5 |
| 26 | 15.6 | 16.5 | 17.4 | 18.2 | 18.9 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 |
| 27 | 15.1 | 16.2 | 17.2 | 18.1 | 18.8 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 |
| 28 | 14.8 | 16.0 | 17.1 | 18.0 | 18.7 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 |
| 29 | 14.6 | 15.9 | 17.0 | 17.9 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 |
| 30 | 14.5 | 15.8 | 16.9 | 17.8 | 18.6 | 19.3 | 20.0 | 20.5 | 21.0 | 21.5 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 31 | 14.4 | 15.7 | 16.8 | 17.8 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 32 | 14.4 | 15.7 | 16.8 | 17.7 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.4 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 33 | 14.3 | 15.6 | 16.8 | 17.7 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 34 | 14.3 | 15.6 | 16.7 | 17.7 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 35 | 14.2 | 15.6 | 16.7 | 17.7 | 18.5 | 19.2 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 36 | 14.2 | 15.6 | 16.7 | 17.7 | 18.5 | 19.2 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 37 | 14.2 | 15.5 | 16.7 | 17.7 | 18.5 | 19.2 | 19.9 | 20.4 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |
| 38 | 14.2 | 15.5 | 16.7 | 17.7 | 18.5 | 19.2 | 19.9 | 20.4 | 21.0 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.85

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 27.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.1 | 28.1 | 26.7 | 26.0 | 25.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.3 | 27.1 | 25.8 | 25.2 | 25.0 | 24.9 | 24.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 25.0 | 24.5 | 24.3 | 24.2 | 24.2 | 24.3 | 24.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.4 | 23.7 | 23.5 | 23.5 | 23.5 | 23.7 | 23.8 | 24.0 | 24.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 24.3 | 23.0 | 22.7 | 22.7 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 | 24.0 |
| 21 | 0. | 0. | 0. | 27.0 | 22.5 | 21.8 | 21.8 | 21.9 | 22.1 | 22.4 | 22.6 | 22.9 | 23.2 | 23.4 | 23.6 | 23.9 |
| 22 | 0. | 0. | 23.6 | 21.0 | 20.7 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 | 23.5 | 23.8 |
| 23 | 0. | 21.5 | 19.7 | 19.7 | 20.0 | 20.4 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 |
| 24 | 19.8 | 18.3 | 18.5 | 19.0 | 19.5 | 20.1 | 20.6 | 21.0 | 21.5 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 25 | 16.8 | 17.2 | 17.9 | 18.6 | 19.3 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 |
| 26 | 15.8 | 16.7 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 |
| 27 | 15.3 | 16.4 | 17.3 | 18.2 | 18.9 | 19.6 | 20.2 | 20.8 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 |
| 28 | 15.0 | 16.2 | 17.2 | 18.1 | 18.9 | 19.5 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.1 | 23.3 | 23.6 |
| 29 | 14.8 | 16.0 | 17.1 | 18.0 | 18.8 | 19.5 | 20.1 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 |
| 30 | 14.6 | 15.9 | 17.0 | 17.9 | 18.7 | 19.5 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 |
| 31 | 14.5 | 15.8 | 16.9 | 17.9 | 18.7 | 19.4 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 |
| 32 | 14.4 | 15.8 | 16.9 | 17.9 | 18.7 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 |
| 33 | 14.4 | 15.7 | 16.9 | 17.8 | 18.7 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 |
| 34 | 14.4 | 15.7 | 16.8 | 17.8 | 18.6 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 |
| 35 | 14.3 | 15.7 | 16.8 | 17.8 | 18.6 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 |
| 36 | 14.3 | 15.7 | 16.8 | 17.8 | 18.6 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 |
| 37 | 14.3 | 15.6 | 16.8 | 17.8 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 |
| 38 | 14.3 | 15.6 | 16.8 | 17.8 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.86

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 28.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.6 | 28.5 | 27.1 | 26.4 | 26.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.2 | 27.9 | 26.2 | 25.5 | 25.2 | 25.1 | 25.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 25.5 | 24.8 | 24.5 | 24.4 | 24.4 | 24.5 | 24.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 24.9 | 24.0 | 23.7 | 23.7 | 23.7 | 23.9 | 24.0 | 24.1 | 24.3 |
| 20 | 0. | 0 | 0. | 0. | 0. | 25.0 | 23.4 | 23.0 | 22.9 | 23.0 | 23.1 | 23.3 | 23.5 | 23.7 | 23.9 | 24.1 |
| 21 | 0. | 0. | 0. | 31.6 | 23.0 | 22.1 | 22.0 | 22.1 | 22.3 | 22.6 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 | 24.0 |
| 22 | 0. | 0. | 25.4 | 21.5 | 21.0 | 21.1 | 21.3 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 | 23.9 |
| 23 | 0. | 22.8 | 20.0 | 19.9 | 20.2 | 20.5 | 21.0 | 21.4 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.9 |
| 24 | 21.0 | 18.6 | 18.7 | 19.2 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 | 23.8 |
| 25 | 17.1 | 17.4 | 18.1 | 18.8 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 23.0 | 23.3 | 23.5 | 23.8 |
| 26 | 16.0 | 16.9 | 17.7 | 18.5 | 19.2 | 19.9 | 20.4 | 20.9 | 21.4 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 |
| 27 | 15.4 | 16.5 | 17.5 | 18.3 | 19.1 | 19.7 | 20.3 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 |
| 28 | 15.1 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.3 | 20.8 | 21.3 | 21.8 | 22.2 | 22.5 | 22.9 | 23.2 | 23.5 | 23.7 |
| 29 | 14.9 | 16.1 | 17.2 | 18.1 | 18.9 | 19.6 | 20.2 | 20.8 | 21.3 | 21.7 | 22.2 | 22.5 | 22.9 | 23.2 | 23.5 | 23.7 |
| 30 | 14.7 | 16.0 | 17.1 | 18.0 | 18.9 | 19.6 | 20.2 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.7 |
| 31 | 14.6 | 15.9 | 17.0 | 18.0 | 18.8 | 19.5 | 20.2 | 20.7 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.2 | 23.4 | 23.7 |
| 32 | 14.5 | 15.9 | 17.0 | 18.0 | 18.8 | 19.5 | 20.2 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.2 | 23.4 | 23.7 |
| 33 | 14.5 | 15.8 | 17.0 | 17.9 | 18.8 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |
| 34 | 14.4 | 15.8 | 16.9 | 17.9 | 18.8 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |
| 35 | 14.4 | 15.8 | 16.9 | 17.9 | 18.7 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |
| 36 | 14.4 | 15.8 | 16.9 | 17.9 | 18.7 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |
| 37 | 14.4 | 15.7 | 16.9 | 17.9 | 18.7 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |
| 38 | 14.4 | 15.7 | 16.9 | 17.9 | 18.7 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.87

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.3 | 29.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 27.6 | 26.7 | 26.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 26.6 | 25.9 | 25.5 | 25.3 | 25.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 25.9 | 25.1 | 24.8 | 24.6 | 24.6 | 24.7 | 24.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 | 25.5 | 24.4 | 24.0 | 23.9 | 23.9 | 24.0 | 24.2 | 24.3 | 24.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 25.9 | 23.8 | 23.2 | 23.1 | 23.2 | 23.3 | 23.5 | 23.7 | 23.9 | 24.1 | 24.3 |
| 21 | 0. | 0. | 0. | 0. | 23.6 | 22.5 | 22.2 | 22.3 | 22.5 | 22.7 | 23.0 | 23.2 | 23.5 | 23.7 | 23.9 | 24.2 |
| 22 | 0. | 0. | 28.9 | 21.9 | 21.3 | 21.3 | 21.5 | 21.8 | 22.1 | 22.4 | 22.8 | 23.0 | 23.3 | 23.6 | 23.8 | 24.1 |
| 23 | 0. | 25.0 | 20.5 | 20.1 | 20.4 | 20.7 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 |
| 24 | 23.2 | 19.0 | 19.0 | 19.4 | 19.9 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.2 | 23.4 | 23.7 | 24.0 |
| 25 | 17.5 | 17.7 | 18.3 | 18.9 | 19.6 | 20.1 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 |
| 26 | 16.2 | 17.0 | 17.9 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 |
| 27 | 15.6 | 16.6 | 17.6 | 18.5 | 19.2 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 |
| 28 | 15.2 | 16.4 | 17.4 | 18.3 | 19.1 | 19.8 | 20.4 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 |
| 29 | 15.0 | 16.2 | 17.3 | 18.2 | 19.0 | 19.7 | 20.4 | 20.9 | 21.4 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 |
| 30 | 14.8 | 16.1 | 17.2 | 18.2 | 19.0 | 19.7 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 |
| 31 | 14.7 | 16.0 | 17.2 | 18.1 | 18.9 | 19.7 | 20.3 | 20.9 | 21.4 | 21.8 | 22.3 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 |
| 32 | 14.6 | 16.0 | 17.1 | 18.1 | 18.9 | 19.6 | 20.3 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 33 | 14.6 | 15.9 | 17.1 | 18.0 | 18.9 | 19.6 | 20.3 | 20.8 | 21.4 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 34 | 14.5 | 15.9 | 17.0 | 18.0 | 18.9 | 19.6 | 20.3 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 35 | 14.5 | 15.9 | 17.0 | 18.0 | 18.9 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 36 | 14.5 | 15.8 | 17.0 | 18.0 | 18.8 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 37 | 14.5 | 15.8 | 17.0 | 18.0 | 18.8 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.8 |
| 38 | 14.4 | 15.8 | 17.0 | 18.0 | 18.8 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.3 | 23.6 | 23.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.88

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.3 | 29.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 28.1 | 27.1 | 26.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 27.1 | 26.2 | 25.8 | 25.6 | 25.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 26.4 | 25.4 | 25.0 | 24.9 | 24.8 | 24.9 | 24.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 39.5 | 26.1 | 24.7 | 24.3 | 24.1 | 24.1 | 24.2 | 24.3 | 24.5 | 24.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 27.0 | 24.2 | 23.5 | 23.4 | 23.4 | 23.5 | 23.7 | 23.9 | 24.1 | 24.2 | 24.4 |
| 21 | 0. | 0. | 0. | 0. | 24.3 | 22.8 | 22.5 | 22.5 | 22.7 | 22.9 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 | 24.3 |
| 22 | 0. | 0. | 0. | 22.5 | 21.6 | 21.5 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 | 24.2 |
| 23 | 0. | 30.8 | 20.9 | 20.4 | 20.6 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.4 | 23.6 | 23.9 | 24.2 |
| 24 | 29.4 | 19.4 | 19.2 | 19.6 | 20.0 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.1 |
| 25 | 17.9 | 17.9 | 18.4 | 19.1 | 19.7 | 20.3 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 26 | 16.4 | 17.2 | 18.0 | 18.8 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 |
| 27 | 15.7 | 16.9 | 17.7 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.6 | 22.1 | 22.5 | 22.8 | 23.2 | 23.5 | 23.8 | 24.0 |
| 28 | 15.4 | 16.5 | 17.6 | 18.4 | 19.2 | 19.9 | 20.5 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 | 23.2 | 23.5 | 23.7 | 24.0 |
| 29 | 15.1 | 16.4 | 17.4 | 18.3 | 19.2 | 19.9 | 20.5 | 21.0 | 21.6 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 |
| 30 | 14.9 | 16.2 | 17.3 | 18.3 | 19.1 | 19.8 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 |
| 31 | 14.8 | 16.1 | 17.3 | 18.2 | 19.1 | 19.8 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 |
| 32 | 14.7 | 16.1 | 17.2 | 18.2 | 19.0 | 19.8 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 |
| 33 | 14.7 | 16.0 | 17.2 | 18.2 | 19.0 | 19.7 | 20.4 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |
| 34 | 14.6 | 16.0 | 17.1 | 18.1 | 19.0 | 19.7 | 20.4 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |
| 35 | 14.6 | 16.0 | 17.1 | 18.1 | 19.0 | 19.7 | 20.4 | 20.9 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |
| 36 | 14.6 | 15.9 | 17.1 | 18.1 | 19.0 | 19.7 | 20.4 | 20.9 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |
| 37 | 14.5 | 15.9 | 17.1 | 18.1 | 18.9 | 19.7 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |
| 38 | 14.5 | 15.9 | 17.1 | 18.1 | 18.9 | 19.7 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.89

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.1 | 30.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 20.7 | 27.4 | 26.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 | 27.7 | 26.5 | 26.0 | 25.8 | 25.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 27.0 | 25.8 | 25.3 | 25.1 | 25.0 | 25.1 | 25.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.8 | 25.1 | 24.6 | 24.4 | 24.4 | 24.4 | 24.5 | 24.7 | 24.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 28.7 | 24.7 | 23.8 | 23.6 | 23.6 | 23.7 | 23.8 | 24.0 | 24.2 | 24.4 | 24.6 |
| 21 | 0. | 0. | 0. | 0. | 25.1 | 23.2 | 22.8 | 22.7 | 22.9 | 23.1 | 23.3 | 23.5 | 23.8 | 24.0 | 24.2 | 24.5 |
| 22 | 0. | 0. | 0. | 23.1 | 21.9 | 21.8 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.6 | 23.9 | 24.1 | 24.4 |
| 23 | 0. | 0. | 21.4 | 20.7 | 20.8 | 21.1 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24 3 |
| 24 | 0. | 19.9 | 19.5 | 19.8 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 |
| 25 | 18.3 | 18.1 | 18.6 | 19.2 | 19.8 | 20.4 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 |
| 26 | 16.7 | 17.4 | 18.2 | 18.9 | 19.6 | 20.3 | 20.8 | 21.3 | 21.8 | 22.3 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 |
| 27 | 15.9 | 16.9 | 17.9 | 16.7 | 19.5 | 20.1 | 20.7 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 |
| 28 | 15.5 | 16.7 | 17.7 | 18.6 | 19.4 | 20.0 | 20.7 | 21.2 | 21.7 | 22.2 | 22.6 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 |
| 29 | 15.2 | 16.5 | 17.5 | 18.5 | 19.3 | 20.0 | 20.6 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.1 |
| 30 | 15.1 | 16.3 | 17.4 | 18.4 | 19.2 | 19.9 | 20.6 | 21.1 | 21.7 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.1 |
| 31 | 14.9 | 16.3 | 17.4 | 18.3 | 19.2 | 19.9 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.6 | 23.9 | 24.1 |
| 32 | 14.8 | 16.2 | 17.3 | 18.3 | 19.1 | 19.9 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.6 | 23.8 | 24.1 |
| 33 | 14.8 | 16.1 | 17.3 | 18.3 | 19.1 | 19.9 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 34 | 14.7 | 16.1 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 35 | 14.7 | 16.1 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 36 | 14.7 | 16.0 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 37 | 14.6 | 16.0 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.1 | 21.6 | 22.0 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |
| 38 | 14.6 | 16.0 | 17.2 | 18.2 | 19.0 | 19.8 | 20.5 | 21.0 | 21.6 | 22.0 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.90

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.2 | 29.4 | 27.8 | 27.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 28.3 | 26.9 | 26.3 | 26.0 | 25.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.0 | 27.6 | 26.2 | 25.6 | 25.3 | 25.3 | 25.3 | 25.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 25.5 | 24.8 | 24.6 | 24.6 | 24.6 | 24.7 | 24.8 | 25.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 31.5 | 23.2 | 24.1 | 23.8 | 23.8 | 23.9 | 24.0 | 24.2 | 24.4 | 24.6 | 24.8 |
| 21 | 0. | 0. | 0. | 0. | 26.2 | 23.6 | 23.0 | 23.0 | 23.1 | 23.3 | 23.5 | 23.7 | 23.9 | 24.2 | 24.4 | 24.6 |
| 22 | 0. | 0. | 0. | 23.8 | 22.2 | 22.0 | 22.1 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 | 24.5 |
| 23 | 0. | 0. | 22.0 | 21.0 | 21.0 | 21.3 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 |
| 24 | 0. | 20.4 | 19.7 | 20.0 | 20.4 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.3 | 23.6 | 23.9 | 24.1 | 24.4 |
| 25 | 18.9 | 18.4 | 18.8 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.5 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 |
| 26 | 16.9 | 17.6 | 18.3 | 19.1 | 19.8 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.3 |
| 27 | 16.1 | 17.1 | 18.0 | 18.8 | 19.6 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.8 | 24.0 | 24.3 |
| 28 | 15.6 | 16.8 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.3 |
| 29 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.3 |
| 30 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 20.1 | 20.7 | 21.3 | 21.8 | 22.2 | 22.7 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 |
| 31 | 15.0 | 16.4 | 17.5 | 18.4 | 19.3 | 20.0 | 20.7 | 21.2 | 21.8 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 |
| 32 | 14.9 | 16.3 | 17.4 | 18.4 | 19.2 | 20.0 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 |
| 33 | 14.9 | 16.2 | 17.4 | 18.4 | 19.2 | 20.0 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 |
| 34 | 14.8 | 16.2 | 17.3 | 18.3 | 19.2 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.2 |
| 35 | 14.8 | 16.2 | 17.3 | 18.3 | 19.2 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.2 |
| 36 | 14.7 | 16.1 | 17.3 | 18.3 | 19.2 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.2 |
| 37 | 14.7 | 16.1 | 17.3 | 18.3 | 19.2 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.2 |
| 38 | 14.7 | 16.1 | 17.3 | 18.3 | 19.2 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.91

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.5 | 30.1 | 28.3 | 27.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.2 | 28.9 | 27.3 | 26.6 | 26.3 | 26.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.4 | 26.6 | 25.9 | 25.6 | 25.5 | 25.5 | 25.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 26.0 | 25.2 | 24.9 | 24.8 | 24.8 | 24.9 | 25.0 | 25.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 45.8 | 25.8 | 24.5 | 24.1 | 24.0 | 24.1 | 24.2 | 24.4 | 24.5 | 24.7 | 24.9 |
| 21 | 0. | 0. | 0. | 0. | 27.7 | 24.0 | 23.3 | 23.2 | 23.3 | 23.4 | 23.6 | 23.9 | 24.1 | 24.3 | 24.5 | 24.8 |
| 22 | 0. | 0. | 0. | 24.7 | 22.6 | 22.3 | 22.3 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 | 24.7 |
| 23 | 0. | 0. | 22.7 | 21.3 | 21.2 | 21.5 | 21.8 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 |
| 24 | 0. | 21.1 | 20.0 | 20.2 | 20.6 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.3 | 24.5 |
| 25 | 19.5 | 18.7 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.2 | 24.5 |
| 26 | 17.2 | 17.7 | 18.5 | 19.2 | 19.9 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 |
| 27 | 16.3 | 17.2 | 18.1 | 19.0 | 19.7 | 20.4 | 21.0 | 21.5 | 22.0 | 22.5 | 22.9 | 23.2 | 23.6 | 23.9 | 24.2 | 24.4 |
| 28 | 15.8 | 16.9 | 17.9 | 18.8 | 19.6 | 20.3 | 20.9 | 21.5 | 22.0 | 22.4 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.4 |
| 29 | 15.5 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.9 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.9 | 24.1 | 24.4 |
| 30 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 |
| 31 | 15.1 | 16.5 | 17.6 | 18.6 | 19.4 | 20.1 | 20.8 | 21.4 | 21.9 | 22.3 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 |
| 32 | 15.0 | 16.4 | 17.5 | 18.5 | 19.4 | 20.1 | 20.8 | 21.3 | 21.9 | 22.3 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 33 | 15.0 | 16.3 | 17.5 | 18.5 | 19.3 | 20.1 | 20.7 | 21.3 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 34 | 14.9 | 16.3 | 17.5 | 18.4 | 19.3 | 20.1 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 35 | 14.9 | 16.3 | 17.4 | 18.4 | 19.3 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 36 | 14.8 | 16.2 | 17.4 | 18.4 | 19.3 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 37 | 14.8 | 16.2 | 17.4 | 18.4 | 19.3 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |
| 38 | 14.8 | 16.2 | 17.4 | 18.4 | 19.3 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.92

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 28.8 | 27.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 27.7 | 26.9 | 26.6 | 26.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 27.0 | 26.2 | 25.8 | 25.7 | 25.7 | 25.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.3 | 26.5 | 25.5 | 25.1 | 25.0 | 25.0 | 25.1 | 25.2 | 25.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 24.8 | 24.4 | 24.2 | 24.3 | 24.4 | 24.5 | 24.7 | 24.9 | 25.1 |
| 21 | 0. | 0. | 0. | 0. | 30.1 | 24.5 | 23.6 | 23.4 | 23.5 | 23.6 | 23.8 | 24.0 | 24.3 | 24.5 | 24.7 | 24.9 |
| 22 | 0. | 0. | 0. | 25.9 | 23.0 | 22.5 | 22.5 | 22.7 | 23.0 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 | 24.8 |
| 23 | 0. | 0. | 23.6 | 21.7 | 21.5 | 21.6 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.7 |
| 24 | 0. | 21.9 | 20.3 | 20.4 | 20.7 | 21.2 | 21.6 | 22.0 | 22.5 | 22.8 | 23.2 | 23.5 | 23.9 | 24.1 | 24.4 | 24.7 |
| 25 | 20.4 | 19.0 | 19.2 | 19.7 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 26 | 17.5 | 17.9 | 18.6 | 19.4 | 20.0 | 20.7 | 21.2 | 21.7 | 22.2 | 22.7 | 23.0 | 23.4 | 23.7 | 24.1 | 24.3 | 24.6 |
| 27 | 16.5 | 17.4 | 18.3 | 19.1 | 19.9 | 20.5 | 21.1 | 21.7 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 |
| 28 | 15.9 | 17.1 | 18.1 | 18.9 | 19.7 | 20.4 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 |
| 29 | 15.6 | 16.8 | 17.9 | 18.8 | 19.6 | 20.3 | 21.0 | 21.5 | 22.1 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 |
| 30 | 15.4 | 16.7 | 17.8 | 18.7 | 19.6 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.5 |
| 31 | 15.2 | 16.6 | 17.7 | 18.7 | 19.5 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.5 |
| 32 | 15.1 | 16.5 | 17.6 | 18.6 | 19.5 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.5 |
| 33 | 15.1 | 16.4 | 17.6 | 18.6 | 19.4 | 20.2 | 20.9 | 21.4 | 22.0 | 22.4 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 |
| 34 | 15.0 | 16.4 | 17.6 | 18.6 | 19.4 | 20.2 | 20.8 | 21.4 | 22.0 | 22.4 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 |
| 35 | 14.9 | 16.3 | 17.5 | 18.5 | 19.4 | 20.2 | 20.8 | 21.4 | 22.0 | 22.4 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 |
| 36 | 14.9 | 16.3 | 17.5 | 18.5 | 19.4 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 |
| 37 | 14.9 | 16.3 | 17.5 | 18.5 | 19.4 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 |
| 38 | 14.9 | 16.3 | 17.5 | 18.5 | 19.4 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.9

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 29.3 | 28.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 28.2 | 27.3 | 26.8 | 26.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 27.5 | 26.5 | 26.1 | 25.9 | 25.9 | 25.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.7 | 27.0 | 25.8 | 25.4 | 25.2 | 25.2 | 25.3 | 25.4 | 25.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 | 25.2 | 24.6 | 24.5 | 24.5 | 24.6 | 24.7 | 24.9 | 25.0 | 25.2 |
| 21 | 0. | 0. | 0. | 0. | 36.5 | 25.0 | 23.9 | 23.6 | 23.7 | 23.8 | 24.0 | 24.2 | 24.4 | 24.6 | 24.8 | 25.1 |
| 22 | 0. | 0. | 0. | 27.6 | 23.4 | 22.8 | 22.7 | 22.9 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 | 24.7 | 24.9 |
| 23 | 0. | 0. | 24.8 | 22.0 | 21.7 | 21.8 | 22.1 | 22.5 | 22.8 | 23.2 | 23.5 | 23.3 | 24.1 | 24.4 | 24.6 | 24.9 |
| 24 | 0. | 22.9 | 20.7 | 20.6 | 20.9 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.8 |
| 25 | 21.5 | 19.3 | 19.4 | 19.9 | 20.5 | 21.0 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 |
| 26 | 17.8 | 18.1 | 18.8 | 19.5 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.9 | 24.2 | 24.5 | 24.7 |
| 27 | 16.7 | 17.5 | 18.4 | 19.2 | 20.0 | 20.6 | 21.2 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.2 | 24.4 | 24.7 |
| 28 | 16.1 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.2 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 |
| 29 | 15.7 | 17.0 | 18.0 | 18.9 | 19.7 | 20.5 | 21.1 | 21.7 | 22.2 | 22.6 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 |
| 30 | 15.5 | 16.8 | 17.9 | 18.8 | 19.7 | 20.4 | 21.1 | 21.6 | 22.2 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 |
| 31 | 15.3 | 16.7 | 17.8 | 18.8 | 19.6 | 20.4 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 |
| 32 | 15.2 | 16.6 | 17.7 | 18.7 | 19.6 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 |
| 33 | 15.1 | 16.5 | 17.7 | 18.7 | 19.6 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.7 |
| 34 | 15.1 | 16.5 | 17.7 | 18.7 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.7 |
| 35 | 15.0 | 16.4 | 17.6 | 18.6 | 19.5 | 20.3 | 20.9 | 21.5 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.6 |
| 36 | 15.0 | 16.4 | 17.6 | 18.6 | 19.5 | 20.3 | 20.9 | 21.5 | 22.1 | 22.5 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.6 |
| 37 | 15.0 | 16.4 | 17.6 | 18.6 | 19.5 | 20.3 | 20.9 | 21.5 | 22.1 | 22.5 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.6 |
| 38 | 15.0 | 16.4 | 17.6 | 18.6 | 19.5 | 20.2 | 20.9 | 21.5 | 22.1 | 22.5 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.94

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.6 | 29.8 | 28.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 28.7 | 27.6 | 27.1 | 26.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 28.0 | 26.8 | 26.4 | 26.1 | 26.1 | 26.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.3 | 27.6 | 26.2 | 25.6 | 25.4 | 25.4 | 25.4 | 25.5 | 25.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 28.3 | 25.6 | 24.9 | 24.7 | 24.7 | 24.8 | 24.9 | 25.0 | 25.2 | 25.4 |
| 21 | 0. | 0. | 0. | 0. | 0. | 25.7 | 24.2 | 23.9 | 23.9 | 24.0 | 24.2 | 24.4 | 24.6 | 24.8 | 25.0 | 25.2 |
| 22 | 0. | 0. | 0. | 30.7 | 23.9 | 23.1 | 23.0 | 23.1 | 23.3 | 23.6 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 | 25.1 |
| 23 | 0. | 0. | 26.5 | 22.4 | 22.0 | 22.0 | 22.3 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |
| 24 | 0. | 24.4 | 21.1 | 20.8 | 21.1 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 |
| 25 | 23.1 | 19.6 | 19.7 | 20.1 | 20.6 | 21.2 | 21.7 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.1 | 24.4 | 24.6 | 24.9 |
| 26 | 18.1 | 18.4 | 19.0 | 19.7 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 |
| 27 | 16.9 | 17.7 | 18.6 | 19.4 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 28 | 16.2 | 17.3 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.3 | 24.6 | 24.8 |
| 29 | 15.9 | 17.1 | 18.1 | 19.1 | 19.9 | 20.6 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 |
| 30 | 15.6 | 16.9 | 18.0 | 19.0 | 19.8 | 20.5 | 21.2 | 21.8 | 22.3 | 22.7 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 |
| 31 | 15.4 | 16.8 | 17.9 | 18.9 | 19.7 | 20.5 | 21.1 | 21.7 | 22.2 | 22.7 | 23.2 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 32 | 15.3 | 16.7 | 17.8 | 18.8 | 19.7 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 33 | 15.2 | 16.6 | 17.8 | 18.8 | 19.7 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 34 | 15.2 | 16.6 | 17.8 | 18.8 | 19.6 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 35 | 15.1 | 16.5 | 17.7 | 18.7 | 19.6 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 36 | 15.1 | 16.5 | 17.7 | 18.7 | 19.6 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 37 | 15.1 | 16.5 | 17.7 | 18.7 | 19.6 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |
| 38 | 15.0 | 16.5 | 17.7 | 18.7 | 19.6 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.95

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.9 | 30.5 | 28.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.6 | 29.3 | 28.0 | 27.4 | 27.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.2 | 28.6 | 27.2 | 26.6 | 26.4 | 26.3 | 26.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.3 | 26.5 | 25.9 | 25.7 | 25.6 | 25.6 | 25.7 | 25.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 26.1 | 25.2 | 24.9 | 24.9 | 24.9 | 25.1 | 25.2 | 25.4 | 25.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 26.4 | 24.6 | 24.1 | 24.1 | 24.2 | 24.3 | 24.5 | 24.7 | 24.9 | 25.2 | 25.4 |
| 22 | 0. | 0. | 0. | 0. | 24.4 | 23.4 | 23.2 | 23.3 | 23.5 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 | 25.0 | 25.2 |
| 23 | 0. | 0. | 29.7 | 22.9 | 22.2 | 22.3 | 22.5 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 | 25.2 |
| 24 | 0. | 26.9 | 21.5 | 21.1 | 21.3 | 21.7 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.6 | 24.8 | 25.1 |
| 25 | 26.4 | 20.0 | 19.9 | 20.3 | 20.8 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.6 | 25.0 |
| 26 | 18.5 | 18.6 | 19.2 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.5 | 24.7 | 25.0 |
| 27 | 17.1 | 17.9 | 18.7 | 19.5 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 |
| 28 | 16.4 | 17.5 | 18.4 | 19.3 | 20.1 | 20.8 | 21.4 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 |
| 29 | 16.0 | 17.2 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 |
| 30 | 15.7 | 17.0 | 18.1 | 19.1 | 19.9 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.0 | 24.4 | 24.7 | 24.9 |
| 31 | 15.5 | 16.9 | 18.0 | 19.0 | 19.8 | 20.6 | 21.3 | 21.8 | 22.4 | 22.8 | 23.3 | 23.7 | 24.0 | 24.4 | 24.7 | 24.9 |
| 32 | 15.4 | 16.8 | 17.9 | 18.9 | 19.8 | 20.6 | 21.2 | 21.8 | 22.4 | 22.8 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 |
| 33 | 15.3 | 16.7 | 17.9 | 18.9 | 19.8 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.3 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 34 | 15.3 | 16.7 | 17.9 | 18.9 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 35 | 15.2 | 16.6 | 17.8 | 18.8 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 36 | 15.2 | 16.6 | 17.8 | 18.8 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 37 | 15.1 | 16.6 | 17.8 | 18.8 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |
| 38 | 15.1 | 16.5 | 17.8 | 18.8 | 19.7 | 20.5 | 21.1 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 |

MAXIMUM FILLING COVER FACTO S (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.96

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.6 | 31.2 | 29.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 29.9 | 28.4 | 27.7 | 27.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.5 | 29.2 | 27.6 | 26.9 | 26.6 | 26.5 | 26.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 26.9 | 26.2 | 25.9 | 25.8 | 25.8 | 25.9 | 26.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 26.6 | 25.5 | 25.2 | 25.1 | 25.1 | 25.2 | 25.4 | 25.5 | 25.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 27.3 | 25.0 | 24.4 | 24.3 | 24.4 | 24.5 | 24.7 | 24.9 | 25.1 | 25.3 | 25.5 |
| 22 | 0. | 0. | 0. | 0. | 25.0 | 23.7 | 23.4 | 23.5 | 23.7 | 23.9 | 24.2 | 24.4 | 24.7 | 24.9 | 25.2 | 25.4 |
| 23 | 0. | 0. | 0. | 23.4 | 22.5 | 22.5 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 | 25.3 |
| 24 | 0. | 35.7 | 21.9 | 21.4 | 21.5 | 21.8 | 22.2 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 25 | 0. | 20.5 | 20.1 | 20.5 | 20.9 | 21.5 | 22.0 | 22.4 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 |
| 26 | 19.0 | 18.8 | 19.3 | 20.0 | 20.6 | 21.2 | 21.8 | 22.3 | 22.7 | 23.2 | 23.6 | 23.9 | 24.3 | 24.6 | 24.9 | 25.1 |
| 27 | 17.3 | 18.0 | 18.9 | 19.7 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.6 | 24.8 | 25.1 |
| 28 | 16.5 | 17.6 | 18.6 | 19.4 | 20.2 | 20.9 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 |
| 29 | 16.1 | 17.3 | 18.4 | 19.3 | 20.1 | 20.8 | 21.5 | 22.0 | 22.6 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 |
| 30 | 15.8 | 17.1 | 18.2 | 19.2 | 20.0 | 20.8 | 21.4 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 |
| 31 | 15.7 | 17.0 | 18.1 | 19.1 | 20.0 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 |
| 32 | 15.5 | 16.9 | 18.1 | 19.1 | 19.9 | 20.7 | 21.3 | 21.9 | 22.5 | 23.0 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 |
| 33 | 15.4 | 16.8 | 18.0 | 19.0 | 19.9 | 20.6 | 21.3 | 21.9 | 22.5 | 22.9 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 |
| 34 | 15.4 | 16.8 | 18.0 | 19.0 | 19.9 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.0 |
| 35 | 15.3 | 16.7 | 17.9 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.0 |
| 36 | 15.3 | 16.7 | 17.9 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.0 |
| 37 | 15.2 | 16.7 | 17.9 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.8 | 25.0 |
| 38 | 15.2 | 16.6 | 17.9 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.8 | 25.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.97

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 29.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.2 | 30.6 | 28.8 | 28.0 | 27.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 28.0 | 27.2 | 26.9 | 26.7 | 26.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 27.4 | 26.5 | 26.1 | 26.0 | 26.0 | 26.1 | 26.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 35.7 | 27.2 | 25.9 | 25.4 | 25.3 | 25.3 | 25.4 | 25.5 | 25.7 | 25.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 28.4 | 25.4 | 24.7 | 24.5 | 24.6 | 24.7 | 24.9 | 25.0 | 25.3 | 25.5 | 25.7 |
| 22 | 0. | 0. | 0. | 0. | 25.8 | 24.0 | 23.7 | 23.7 | 23.8 | 24.1 | 24.3 | 24.6 | 24.8 | 25.1 | 25.3 | 25.5 |
| 23 | 0. | 0. | 0. | 23.9 | 22.8 | 22.7 | 22.9 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 | 25.4 |
| 24 | 0. | 0. | 22.4 | 21.6 | 21.7 | 22.0 | 22.4 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 |
| 25 | 0. | 20.9 | 20.4 | 20.7 | 21.1 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 | 25.3 |
| 26 | 19.5 | 19.1 | 19.5 | 20.1 | 20.7 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.3 |
| 27 | 17.5 | 18.2 | 19.0 | 19.8 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 28 | 16.7 | 17.7 | 18.7 | 19.6 | 20.3 | 21.0 | 21.7 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.2 |
| 29 | 16.3 | 17.4 | 18.5 | 19.4 | 20.2 | 20.9 | 21.6 | 22.2 | 22.7 | 23.1 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 |
| 30 | 16.0 | 17.2 | 18.3 | 19.3 | 20.1 | 20.9 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 |
| 31 | 15.8 | 17.1 | 18.2 | 19.2 | 20.1 | 20.8 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 |
| 32 | 15.6 | 17.0 | 18.2 | 19.2 | 20.0 | 20.8 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 |
| 33 | 15.5 | 16.9 | 18.1 | 19.1 | 20.0 | 20.8 | 21.4 | 22.0 | 22.6 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 |
| 34 | 15.4 | 16.9 | 18.1 | 19.1 | 20.0 | 20.7 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 |
| 35 | 15.4 | 16.8 | 18.0 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 23.9 | 24.2 | 24.6 | 24.9 | 25.2 |
| 36 | 15.3 | 16.8 | 18.0 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.6 | 24.9 | 25.2 |
| 37 | 15.3 | 16.8 | 18.0 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.6 | 24.9 | 25.2 |
| 38 | 15.3 | 16.7 | 18.0 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.6 | 24.9 | 25.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.98

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.1 | 30.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 29.2 | 28.3 | 27.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 28.4 | 27.5 | 27.1 | 26.9 | 26.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.6 | 27.9 | 26.8 | 26.4 | 26.2 | 26.2 | 26.2 | 26.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 26.2 | 25.7 | 25.5 | 25.5 | 25.6 | 25.7 | 25.9 | 26.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 29.9 | 25.8 | 25.0 | 24.7 | 24.7 | 24.9 | 25.0 | 25.2 | 25.4 | 25.6 | 25.8 |
| 22 | 0. | 0. | 0. | 0. | 26.6 | 24.4 | 23.9 | 23.9 | 24.0 | 24.2 | 24.5 | 24.7 | 25.0 | 25.2 | 25.4 | 25.7 |
| 23 | 0. | 0. | 0. | 24.6 | 23.1 | 22.9 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 | 25.6 |
| 24 | 0. | 0. | 23.0 | 21.9 | 21.9 | 22.2 | 22.6 | 22.9 | 23.3 | 23.7 | 24.0 | 24.4 | 24.7 | 25.0 | 25.2 | 25.5 |
| 25 | 0. | 21.5 | 20.7 | 20.9 | 21.3 | 21.8 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 | 25.5 |
| 26 | 20.0 | 19.3 | 19.7 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.9 | 25.1 | 25.4 |
| 27 | 17.8 | 18.4 | 19.2 | 19.9 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 |
| 28 | 16.9 | 17.9 | 18.8 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.9 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 |
| 29 | 16.4 | 17.6 | 18.6 | 19.5 | 20.3 | 21.1 | 21.7 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.4 | 24.8 | 25.1 | 25.3 |
| 30 | 16.1 | 17.4 | 18.5 | 19.4 | 20.3 | 21.0 | 21.6 | 22.2 | 22.8 | 23.2 | 23.7 | 24.1 | 24.4 | 24.8 | 25.1 | 25.3 |
| 31 | 15.9 | 17.2 | 18.3 | 19.3 | 20.2 | 20.9 | 21.6 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 32 | 15.7 | 17.1 | 18.3 | 19.3 | 20.1 | 20.9 | 21.6 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 33 | 15.6 | 17.0 | 18.2 | 19.2 | 20.1 | 20.9 | 21.5 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 34 | 15.5 | 17.0 | 18.2 | 19.2 | 20.1 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 35 | 15.5 | 16.9 | 18.1 | 19.2 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 36 | 15.4 | 16.9 | 18.1 | 19.1 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 37 | 15.4 | 16.8 | 18.1 | 19.1 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.1 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |
| 38 | 15.4 | 16.8 | 18.1 | 19.1 | 20.0 | 20.8 | 21.5 | 22.1 | 22.6 | 23.1 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.99

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.4 | 30.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 29.7 | 28.6 | 28.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.0 | 28.9 | 27.8 | 27.4 | 27.1 | 27.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 28.4 | 27.2 | 26.7 | 26.5 | 26.4 | 26.4 | 26.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 26.6 | 26.0 | 25.7 | 25.7 | 25.8 | 25.9 | 26.0 | 26.2 |
| 21 | 0. | 0. | 0. | 0. | 0. | 32.3 | 26.3 | 25.3 | 25.0 | 24.9 | 25.0 | 25.2 | 25.4 | 25.6 | 25.8 | 26.0 |
| 22 | 0. | 0. | 0. | 0. | 27.7 | 24.8 | 24.2 | 24.1 | 24.2 | 24.4 | 24.6 | 24.9 | 25.1 | 25.4 | 25.6 | 25.8 |
| 23 | 0. | 0. | 0. | 25.4 | 23.5 | 23.2 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 | 25.5 | 25.7 |
| 24 | 0. | 0. | 23.7 | 22.2 | 22.1 | 22.4 | 22.7 | 23.1 | 23.5 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 25 | 0. | 22.2 | 20.9 | 21.1 | 21.5 | 21.9 | 22.4 | 22.8 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.3 | 25.6 |
| 26 | 20.8 | 19.6 | 19.9 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.3 | 25.5 |
| 27 | 18.1 | 18.6 | 19.3 | 20.1 | 20.8 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 23.9 | 24.3 | 24.6 | 25.0 | 25.2 | 25.5 |
| 28 | 17.1 | 18.0 | 19.0 | 19.8 | 20.6 | 21.3 | 21.9 | 22.5 | 23.0 | 23.4 | 23.9 | 24.2 | 24.6 | 24.9 | 25.2 | 25.5 |
| 29 | 16.5 | 17.7 | 18.7 | 19.7 | 20.5 | 21.2 | 21.8 | 22.4 | 22.9 | 23.4 | 23.8 | 24.2 | 24.6 | 24.9 | 25.2 | 25.5 |
| 30 | 16.2 | 17.5 | 18.6 | 19.5 | 20.4 | 21.1 | 21.8 | 22.4 | 22.9 | 23.4 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.5 |
| 31 | 16.0 | 17.3 | 18.5 | 19.4 | 20.3 | 21.1 | 21.7 | 22.3 | 22.9 | 23.3 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.5 |
| 32 | 15.8 | 17.2 | 18.4 | 19.4 | 20.2 | 21.0 | 21.7 | 22.3 | 22.8 | 23.3 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.4 |
| 33 | 15.7 | 17.1 | 18.3 | 19.3 | 20.2 | 21.0 | 21.7 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.2 | 25.4 |
| 34 | 15.6 | 17.1 | 18.3 | 19.3 | 20.2 | 21.0 | 21.6 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.2 | 25.4 |
| 35 | 15.6 | 17.0 | 18.2 | 19.3 | 20.1 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 |
| 36 | 15.5 | 17.0 | 18.2 | 19.2 | 20.1 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 |
| 37 | 15.5 | 16.9 | 18.2 | 19.2 | 20.1 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 |
| 38 | 15.5 | 16.9 | 18.1 | 19.2 | 20.1 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.00

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.3 | 31.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.9 | 30.2 | 29.0 | 28.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 29.4 | 28.2 | 27.6 | 27.4 | 27.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.2 | 29.0 | 27.5 | 26.9 | 26.7 | 26.6 | 26.6 | 26.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.4 | 27.0 | 26.2 | 26.0 | 25.9 | 26.0 | 26.1 | 26.2 | 26.3 |
| 21 | 0. | 0. | 0. | 0. | 0. | 38.2 | 26.9 | 25.6 | 25.2 | 25.2 | 25.2 | 25.4 | 25.5 | 25.7 | 25.9 | 26.1 |
| 22 | 0. | 0. | 0. | 0. | 29.2 | 25.2 | 24.5 | 24.3 | 24.4 | 24.6 | 24.8 | 25.0 | 25.3 | 25.5 | 25.7 | 26.0 |
| 23 | 0. | 0. | 0. | 26.4 | 23.8 | 23.4 | 23.4 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 | 25.9 |
| 24 | 0. | 0. | 24.5 | 22.5 | 22.4 | 22.6 | 22.9 | 23.2 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.3 | 25.5 | 25.8 |
| 25 | 0. | 23.0 | 21.3 | 21.3 | 21.6 | 22.1 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.5 | 25.7 |
| 26 | 21.7 | 19.9 | 20.1 | 20.6 | 21.2 | 21.8 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 |
| 27 | 18.4 | 18.8 | 19.5 | 20.2 | 20.9 | 21.6 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 |
| 28 | 17.3 | 18.2 | 19.1 | 20.0 | 20.7 | 21.4 | 22.0 | 22.6 | 23.1 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.4 | 25.6 |
| 29 | 16.7 | 17.8 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.5 | 23.0 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 |
| 30 | 16.3 | 17.6 | 18.7 | 19.6 | 20.5 | 21.2 | 21.9 | 22.5 | 23.0 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 |
| 31 | 16.1 | 17.4 | 18.6 | 19.6 | 20.4 | 21.2 | 21.8 | 22.4 | 23.0 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 |
| 32 | 15.9 | 17.3 | 18.5 | 19.5 | 20.4 | 21.1 | 21.8 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 |
| 33 | 15.8 | 17.2 | 18.4 | 19.4 | 20.3 | 21.1 | 21.8 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 |
| 34 | 15.7 | 17.1 | 18.4 | 19.4 | 20.3 | 21.1 | 21.8 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 |
| 35 | 15.7 | 17.1 | 18.3 | 19.4 | 20.3 | 21.0 | 21.7 | 22.4 | 22.9 | 23.4 | 23.8 | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 |
| 36 | 15.6 | 17.1 | 18.3 | 19.3 | 20.2 | 21.0 | 21.7 | 22.3 | 22.9 | 23.4 | 23.8 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 |
| 37 | 15.6 | 17.0 | 18.3 | 19.3 | 20.2 | 21.0 | 21.7 | 22.3 | 22.9 | 23.4 | 23.8 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 |
| 38 | 15.5 | 17.0 | 18.2 | 19.3 | 20.2 | 21.0 | 21.7 | 22.3 | 22.9 | 23.4 | 23.8 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.36

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.2 | 37.5 | 35.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.3 | 34.5 | 33.4 | 32.8 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.9 | 34.3 | 32.8 | 32.2 | 31.9 | 31.8 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.7 | 32.5 | 31.6 | 31.3 | 31.1 | 31.1 | 31.2 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.9 | 32.6 | 31.2 | 30.6 | 30.5 | 30.5 | 30.5 | 30.6 | 30.8 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 34.7 | 31.0 | 30.1 | 29.8 | 29.7 | 29.8 | 30.0 | 30.1 | 30.3 | 30.5 |
| 25 | 0. | 0. | 0. | 0. | 0. | 32.4 | 29.7 | 29.1 | 28.9 | 29.0 | 29.2 | 29.4 | 29.6 | 29.9 | 30.1 | 30.4 |
| 26 | 0. | 0. | 0. | 0. | 30.8 | 28.6 | 28.1 | 28.1 | 28.3 | 28.5 | 28.8 | 29.1 | 29.4 | 29.7 | 30.0 | 30.2 |
| 27 | 0. | 0. | 0. | 29.5 | 27.4 | 27.1 | 27.2 | 27.5 | 27.8 | 28.2 | 28.5 | 28.9 | 29.2 | 29.5 | 29.8 | 30.1 |
| 28 | 0. | 0. | 28.5 | 26.3 | 26.1 | 26.3 | 26.7 | 27.1 | 27.5 | 28.0 | 28.4 | 28.7 | 29.1 | 29.4 | 29.8 | 30.1 |
| 29 | 0. | 27.9 | 25.1 | 24.9 | 25.3 | 25.8 | 26.3 | 26.8 | 27.3 | 27.8 | 28.2 | 28.6 | 29.0 | 29.4 | 29.7 | 30.0 |
| 30 | 29.1 | 23.8 | 23.7 | 24.2 | 24.8 | 25.5 | 26.1 | 26.7 | 27.2 | 27.7 | 28.1 | 28.6 | 28.9 | 29.3 | 29.6 | 30.0 |
| 31 | 22.4 | 22.3 | 23.0 | 23.7 | 24.5 | 25.2 | 25.9 | 26.5 | 27.1 | 27.6 | 28.1 | 28.5 | 28.9 | 29.3 | 29.6 | 29.9 |
| 32 | 20.7 | 21.6 | 22.5 | 23.4 | 24.3 | 25.1 | 25.8 | 26.4 | 27.0 | 27.5 | 28.0 | 28.4 | 28.9 | 29.2 | 29.6 | 29.9 |
| 33 | 19.9 | 21.1 | 22.2 | 23.2 | 24.1 | 24.9 | 25.7 | 26.3 | 26.9 | 27.5 | 28.0 | 28.4 | 28.8 | 29.2 | 29.6 | 29.9 |
| 34 | 19.4 | 20.7 | 22.0 | 23.0 | 24.0 | 24.8 | 25.6 | 26.3 | 26.9 | 27.4 | 27.9 | 28.4 | 28.8 | 29.2 | 29.5 | 29.9 |
| 35 | 19.0 | 20.5 | 21.8 | 22.9 | 23.9 | 24.8 | 25.5 | 26.2 | 26.8 | 27.4 | 27.9 | 28.4 | 28.8 | 29.2 | 29.5 | 29.9 |
| 36 | 18.8 | 20.3 | 21.7 | 22.8 | 23.8 | 24.7 | 25.5 | 26.2 | 26.8 | 27.4 | 27.9 | 28.3 | 28.8 | 29.1 | 29.5 | 29.8 |
| 37 | 18.6 | 20.2 | 21.6 | 22.7 | 23.8 | 24.6 | 25.4 | 26.1 | 26.8 | 27.3 | 27.9 | 28.3 | 28. | 29.1 | 29.5 | 29.8 |
| 38 | 18.5 | 20.1 | 21.5 | 22.7 | 23.7 | 24.6 | 25.4 | 26.1 | 26.7 | 27.3 | 27.8 | 28.3 | 28.7 | 29.1 | 29.5 | 29.8 |
| 39 | 18.4 | 20.0 | 21.4 | 22.6 | 23.7 | 24.6 | 25.4 | 26.1 | 26.7 | 27.3 | 27.8 | 28.3 | 28.7 | 29.1 | 29.5 | 29.8 |
| 40 | 18.3 | 20.0 | 21.4 | 22.6 | 23.6 | 24.6 | 25.4 | 26.1 | 26.7 | 27.3 | 27.8 | 28.3 | 28.7 | 29.1 | 29.5 | 29.8 |
| 41 | 18.2 | 19.9 | 21.4 | 22.6 | 23.6 | 24.5 | 25.3 | 26.1 | 26.7 | 27.3 | 27.8 | 28.3 | 28.7 | 29.1 | 29.5 | 29.8 |
| 42 | 18.2 | 19.9 | 21.3 | 22.5 | 23.6 | 24.5 | 25.3 | 26.1 | 26.7 | 27.3 | 27.8 | 28.3 | 28.7 | 29.1 | 29.5 | 29.8 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.48

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.9 | 37.9 | 36.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.4 | 37.8 | 35.5 | 34.6 | 34.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.2 | 35.4 | 34.1 | 33.5 | 33.2 | 33.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.9 | 33.7 | 32.9 | 32.6 | 32.4 | 32.4 | 32.5 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.4 | 33.9 | 32.5 | 32.0 | 31.8 | 31.8 | 31.8 | 32.0 | 32.1 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 36.6 | 32.5 | 31.4 | 31.1 | 31.0 | 31.1 | 31.3 | 31.4 | 31.7 | 31.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 34.5 | 31.2 | 30.4 | 30.2 | 30.3 | 30.5 | 30.7 | 30.9 | 31.2 | 31.4 | 31.7 |
| 27 | 0. | 0. | 0. | 0. | 33.0 | 30.1 | 29.4 | 29.4 | 29.5 | 29.8 | 30.1 | 30.4 | 30.7 | 31.0 | 31.3 | 31.5 |
| 28 | 0. | 0. | 0. | 31.9 | 28.9 | 28.4 | 28.5 | 28.8 | 29.1 | 29.5 | 29.8 | 30.2 | 30.5 | 30.8 | 31.2 | 31.4 |
| 29 | 0. | 0. | 31.4 | 27.8 | 27.4 | 27.6 | 27.9 | 28.3 | 28.8 | 29.2 | 29.6 | 30.0 | 30.4 | 30.7 | 31.1 | 31.4 |
| 30 | 0. | 32.5 | 26.7 | 26.3 | 26.6 | 27.0 | 27.5 | 28.1 | 28.6 | 29.0 | 29.5 | 29.9 | 30.3 | 30.7 | 31.0 | 31.3 |
| 31 | 0. | 25.5 | 25.0 | 25.4 | 26.0 | 26.7 | 27.3 | 27.9 | 28.4 | 28.9 | 29.4 | 29.8 | 30.2 | 30.6 | 30.9 | 31.3 |
| 32 | 24.4 | 23.7 | 24.2 | 24.9 | 25.7 | 26.4 | 27.1 | 27.7 | 28.3 | 28.8 | 29.3 | 29.7 | 30.2 | 30.5 | 30.9 | 31.2 |
| 33 | 22.1 | 22.7 | 23.6 | 24.5 | 25.4 | 26.2 | 26.9 | 27.6 | 28.2 | 28.7 | 29.2 | 29.7 | 30.1 | 30.5 | 30.9 | 31.2 |
| 34 | 21.1 | 22.2 | 23.3 | 24.3 | 25.2 | 26.1 | 26.8 | 27.5 | 28.1 | 28.7 | 29.2 | 29.6 | 30.1 | 30.5 | 30.8 | 31.2 |
| 35 | 20.4 | 21.8 | 23.0 | 24.1 | 25.1 | 25.9 | 26.7 | 27.4 | 28.1 | 28.6 | 29.1 | 29.6 | 30.1 | 30.5 | 30.8 | 31.2 |
| 36 | 20.0 | 21.5 | 22.8 | 24.0 | 25.0 | 25.9 | 26.7 | 27.4 | 28.0 | 28.6 | 29.1 | 29.6 | 30.0 | 30.4 | 30.8 | 31.1 |
| 37 | 19.7 | 21.3 | 22.7 | 23.8 | 24.9 | 25.8 | 26.6 | 27.3 | 28.0 | 28.6 | 29.1 | 29.6 | 30.0 | 30.4 | 30.8 | 31.1 |
| 38 | 19.5 | 21.2 | 22.6 | 23.8 | 24.8 | 25.7 | 26.6 | 27.3 | 27.9 | 28.5 | 29.1 | 29.6 | 30.0 | 30.4 | 30.8 | 31.1 |
| 39 | 19.4 | 21.0 | 22.5 | 23.7 | 24.8 | 25.7 | 26.5 | 27.3 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 | 31.1 |
| 40 | 19.2 | 21.0 | 22.4 | 23.6 | 24.7 | 25.7 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 | 31.1 |
| 41 | 19.2 | 20.9 | 22.3 | 23.6 | 24.7 | 25.6 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 | 31.1 |
| 42 | 19.1 | 20.8 | 22.3 | 23.6 | 24.7 | 25.6 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 | 31.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.50

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.7 | 39.0 | 36.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.3 | 36.3 | 35.1 | 34.5 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.9 | 36.2 | 34.6 | 33.9 | 33.6 | 33.4 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.2 | 34.4 | 33.4 | 33.0 | 32.8 | 32.8 | 32.8 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.5 | 34.9 | 33.1 | 32.4 | 32.1 | 32.1 | 32.1 | 32.2 | 32.4 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 39.6 | 33.3 | 31.9 | 31.5 | 31.4 | 31.4 | 31.5 | 31.7 | 31.9 | 32.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 36.7 | 31.9 | 30.9 | 30.6 | 30.6 | 30.7 | 30.9 | 31.2 | 31.4 | 31.7 | 31.9 |
| 27 | 0. | 0. | 0. | 0. | 35.0 | 30.7 | 29.9 | 29.7 | 29.8 | 30.1 | 30.3 | 30.6 | 30.9 | 31.2 | 31.5 | 31.8 |
| 28 | 0. | 0. | 0. | 34.2 | 29.6 | 28.9 | 28.8 | 29.0 | 29.4 | 29.7 | 30.1 | 30.4 | 30.7 | 31.1 | 31.4 | 31.7 |
| 29 | 0. | 0. | 34.5 | 28.5 | 27.8 | 27.9 | 28.2 | 28.6 | 29.0 | 29.5 | 29.9 | 30.2 | 30.6 | 31.0 | 31.3 | 31.6 |
| 30 | 0. | 44.7 | 27.4 | 26.7 | 26.9 | 27.3 | 27.8 | 28.3 | 28.8 | 29.3 | 29.7 | 30.1 | 30.5 | 30.9 | 31.2 | 31.5 |
| 31 | 0. | 26.3 | 25.5 | 25.8 | 26.3 | 26.9 | 27.5 | 28.1 | 28.6 | 29.1 | 29.6 | 30.0 | 30.4 | 30.8 | 31.2 | 31.5 |
| 32 | 25.6 | 24.1 | 24.5 | 25.2 | 25.9 | 26.6 | 27.3 | 27.9 | 28.5 | 29.0 | 29.5 | 30.0 | 30.4 | 30.8 | 31.1 | 31.4 |
| 33 | 22.6 | 23.1 | 23.9 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 28.9 | 29.4 | 29.9 | 30.3 | 30.7 | 31.1 | 31.4 |
| 34 | 21.4 | 22.4 | 23.5 | 24.5 | 25.4 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.4 | 29.9 | 30.3 | 30.7 | 31.1 | 31.4 |
| 35 | 20.7 | 22.0 | 23.2 | 24.3 | 25.3 | 26.1 | 26.9 | 27.6 | 28.3 | 28.8 | 29.3 | 29.8 | 30.3 | 30.7 | 31.0 | 31.4 |
| 36 | 20.2 | 21.7 | 23.0 | 24.2 | 25.2 | 26.1 | 26.8 | 27.6 | 28.2 | 28.8 | 29.3 | 29.8 | 30.2 | 30.6 | 31.0 | 31.4 |
| 37 | 19.9 | 21.5 | 22.9 | 24.0 | 25.1 | 26.0 | 26.8 | 27.5 | 28.2 | 28.8 | 29.3 | 29.8 | 30.2 | 30.6 | 31.0 | 31.3 |
| 38 | 19.7 | 21.3 | 22.7 | 23.9 | 25.0 | 25.9 | 26.7 | 27.5 | 28.1 | 28.7 | 29.3 | 29.8 | 30.2 | 30.6 | 31.0 | 31.3 |
| 39 | 19.5 | 21.2 | 22.6 | 23.9 | 24.9 | 25.9 | 26.7 | 27.4 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 |
| 40 | 19.4 | 21.1 | 22.6 | 23.8 | 24.9 | 25.8 | 26.7 | 27.4 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 |
| 41 | 19.3 | 21.0 | 22.5 | 23.8 | 24.9 | 25.8 | 26.7 | 27.4 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 |
| 42 | 19.2 | 21.0 | 22.5 | 23.7 | 24.8 | 25.8 | 26.6 | 27.4 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.77

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.4 | 40.7 | 39.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.8 | 41.1 | 38.8 | 37.7 | 37.2 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.7 | 38.9 | 37.4 | 36.7 | 36.4 | 36.2 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.3 | 37.3 | 36.3 | 35.8 | 35.6 | 35.6 | 35.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.3 | 36.1 | 35.3 | 35.0 | 34.9 | 34.9 | 35.1 | 35.2 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 49.3 | 36.8 | 35.0 | 34.4 | 34.2 | 34.2 | 34.3 | 34.5 | 34.7 | 34.9 |
| 28 | 0. | 0. | 0. | 0. | 0. | 46.2 | 35.5 | 33.9 | 33.5 | 33.4 | 33.5 | 33.7 | 33.9 | 34.2 | 34.5 | 34.7 |
| 29 | 0. | 0. | 0. | 0. | 47.5 | 34.4 | 32.9 | 32.6 | 32.6 | 32.8 | 33.1 | 33.4 | 33.7 | 34.0 | 34.3 | 34.6 |
| 30 | 0. | 0. | 0. | 0. | 33.5 | 31.9 | 31.7 | 31.8 | 32.1 | 32.4 | 32.8 | 33.1 | 33.5 | 33.8 | 34.1 | 34.4 |
| 31 | 0. | 0. | 0. | 32.6 | 30.9 | 30.7 | 30.9 | 31.3 | 31.7 | 32.1 | 32.5 | 32.9 | 33.3 | 33.7 | 34.0 | 34.4 |
| 32 | 0. | 0. | 32.1 | 29.9 | 29.7 | 30.0 | 30.4 | 30.9 | 31.4 | 31.9 | 32.4 | 32.8 | 33.2 | 33.6 | 33.9 | 34.3 |
| 33 | 0. | 32.7 | 28.8 | 28.5 | 28.9 | 29.5 | 30.1 | 30.6 | 31.2 | 31.7 | 32.2 | 32.7 | 33.1 | 33.5 | 33.9 | 34.2 |
| 34 | 50.1 | 27.6 | 27.3 | 27.8 | 28.4 | 29.1 | 29.8 | 30.4 | 31.0 | 31.6 | 32.1 | 32.6 | 33.0 | 33.5 | 33.8 | 34.2 |
| 35 | 26.7 | 25.9 | 26.4 | 27.2 | 28.1 | 28.9 | 29.6 | 30.3 | 30.9 | 31.5 | 32.0 | 32.5 | 33.0 | 33.4 | 33.8 | 34.2 |
| 36 | 24.3 | 24.9 | 25.9 | 26.9 | 27.8 | 28.7 | 29.5 | 30.2 | 30.8 | 31.4 | 32.0 | 32.5 | 32.9 | 33.4 | 33.8 | 34.1 |
| 37 | 23.2 | 24.3 | 25.5 | 26.6 | 27.6 | 28.5 | 29.3 | 30.1 | 30.8 | 31.4 | 31.9 | 32.4 | 32.9 | 33.3 | 33.7 | 34.1 |
| 38 | 22.5 | 23.9 | 25.2 | 26.4 | 27.5 | 28.4 | 29.2 | 30.0 | 30.7 | 31.3 | 31.9 | 32.4 | 32.9 | 33.3 | 33.7 | 34.1 |
| 39 | 22.0 | 23.6 | 25.0 | 26.2 | 27.3 | 28.3 | 29.2 | 29.9 | 30.6 | 31.3 | 31.8 | 32.4 | 32.8 | 33.3 | 33.7 | 34.1 |
| 40 | 21.7 | 23.4 | 24.9 | 26.1 | 27.2 | 28.2 | 29.1 | 29.9 | 30.6 | 31.2 | 31.8 | 32.3 | 32.8 | 33.3 | 33.7 | 34.1 |
| 41 | 21.5 | 23.2 | 24.7 | 26.0 | 27.2 | 28.2 | 29.1 | 29.9 | 30.6 | 31.2 | 31.8 | 32.3 | 32.8 | 33.3 | 33.7 | 34.0 |
| 42 | 21.3 | 23.1 | 24.6 | 26.0 | 27.1 | 28.1 | 29.0 | 29.8 | 30.5 | 31.2 | 31.8 | 32.3 | 32.8 | 33.2 | 33.7 | 34.0 |
| 43 | 21.1 | 23.0 | 24.5 | 25.9 | 27.1 | 28.1 | 29.0 | 29.8 | 30.5 | 31.2 | 31.8 | 32.3 | 32.8 | 33.2 | 33.6 | 34.0 |
| 44 | 21.0 | 22.9 | 24.5 | 25.8 | 27.0 | 28.1 | 29.0 | 29.8 | 30.5 | 31.2 | 31.7 | 32.3 | 32.8 | 33.2 | 33.6 | 34.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.00

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.7 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 42.7 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.6 | 43.0 | 41.1 | 40.2 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.4 | 41.1 | 39.9 | 39.2 | 38.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.3 | 42.0 | 39.7 | 38.8 | 38.4 | 38.2 | 38.2 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.8 | 40.4 | 38.6 | 37.9 | 37.6 | 37.5 | 37.6 | 37.7 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.9 | 39.1 | 37.6 | 37.0 | 36.9 | 36.9 | 37.0 | 37.1 | 37.3 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 43.4 | 37.9 | 36.6 | 36.2 | 36.1 | 36.2 | 36.4 | 36.6 | 36.8 | 37.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 42.7 | 36.9 | 35.7 | 35.3 | 35.4 | 35.5 | 35.7 | 36.0 | 36.3 | 36.6 | 36.9 |
| 31 | 0. | 0. | 0. | 0. | 43.4 | 36.0 | 34.7 | 34.5 | 34.6 | 34.8 | 35.1 | 35.4 | 35.8 | 36.1 | 36.4 | [illegible].7 |
| 32 | 0. | 0. | 0. | 50.3 | 35.2 | 33.8 | 33.6 | 33.7 | 34.0 | 34.4 | 34.8 | 35.2 | 35.6 | 35.9 | 36.3 | 36.6 |
| 33 | 0. | 0. | 0. | 34.5 | 32.8 | 32.6 | 32.8 | 33.2 | 33.7 | 34.1 | 34.6 | 35.0 | 35.4 | 35.8 | 36.2 | 36.5 |
| 34 | 0. | 0. | 34.3 | 31.8 | 31.6 | 31.9 | 32.3 | 32.9 | 33.4 | 33.9 | 34.4 | 34.9 | 35.3 | 35.7 | 36.1 | 36.4 |
| 35 | 0. | 35.7 | 30.7 | 30.4 | 30.8 | 31.4 | 32.0 | 32.6 | 33.2 | 33.7 | 34.3 | 34.7 | 35.2 | 35.6 | 36.0 | 36.4 |
| 36 | 0. | 29.8 | 29.2 | 29.6 | 30.3 | 31.0 | 31.7 | 32.4 | 33.0 | 33.6 | 34.2 | 34.7 | 35.1 | 35.6 | 36.0 | 36.3 |
| 37 | 29.3 | 27.8 | 28.2 | 29.0 | 29.9 | 30.7 | 31.5 | 32.2 | 32.9 | 33.5 | 34.1 | 34.6 | 35.1 | 35.5 | 35.9 | 36.3 |
| 38 | 26.3 | 26.7 | 27.6 | 28.7 | 29.6 | 30.5 | 31.3 | 32.1 | 32.8 | 33.4 | 34.0 | 34.5 | 35.0 | 35.5 | 35.9 | 36.3 |
| 39 | 24.9 | 26.0 | 27.2 | 28.4 | 29.4 | 30.4 | 31.2 | 32.0 | 32.7 | 33.4 | 33.9 | 34.5 | 35.0 | 35.4 | 35.9 | 36.3 |
| 40 | 24.1 | 25.6 | 26.9 | 28.1 | 29.2 | 30.2 | 31.1 | 31.9 | 32.6 | 33.3 | 33.9 | 34.5 | 35.0 | 35.4 | 35.8 | 36.2 |
| 41 | 23.6 | 25.2 | 26.7 | 28.0 | 29.1 | 30.1 | 31.0 | 31.9 | 32.6 | 33.3 | 33.9 | 34.4 | 34.9 | 35.4 | 35.8 | 36.2 |
| 42 | 23.2 | 25.0 | 26.5 | 27.8 | 29.0 | 30.0 | 31.0 | 31.8 | 32.5 | 33.2 | 33.8 | 34.4 | 34.9 | 35.4 | 35.8 | 36.2 |
| 43 | 22.9 | 24.8 | 26.4 | 27.7 | 28.9 | 30.0 | 30.9 | 31.8 | 32.5 | 33.2 | 33.8 | 34.4 | 34.9 | 35.4 | 35.8 | 36.2 |
| 44 | 22.7 | 24.6 | 26.2 | 27.6 | 28.9 | 29.9 | 30.9 | 31.7 | 32.5 | 33.2 | 33.8 | 34.4 | 34.9 | 35.3 | 35.8 | 36.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.36

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.7 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.6 | 46.4 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 47.0 | 44.8 | 43.8 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.8 | 45.3 | 43.6 | 42.8 | 42.5 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.3 | 43.9 | 42.6 | 42.0 | 41.7 | 41.6 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.6 | 42.7 | 41.6 | 41.2 | 41.0 | 41.0 | 41.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.3 | 41.7 | 40.8 | 40.4 | 40.3 | 40.4 | 40.5 | 40.7 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.3 | 40.8 | 39.9 | 39.6 | 39.6 | 39.7 | 39.9 | 40.1 | 40.4 |
| 32 | 0. | 0 | 0. | 0. | 0. | 0. | 42.6 | 39.9 | 39.1 | 38.8 | 38.9 | 39.1 | 39.3 | 39.6 | 39.9 | 40.2 |
| 33 | 0. | 0. | 0. | 0. | 0. | 42.2 | 39.0 | 38.2 | 38.0 | 38.1 | 38.4 | 38.7 | 39.0 | 39.3 | 39.7 | 40.0 |
| 34 | 0. | 0. | 0. | 0. | 42.5 | 38.2 | 37.3 | 37.2 | 37.4 | 37.7 | 38.0 | 38.4 | 38.8 | 39.1 | 39.5 | 39.8 |
| 35 | 0. | 0. | 0. | 44.8 | 37.4 | 36.4 | 36.3 | 36.5 | 36.9 | 37.3 | 37.7 | 38.2 | 38.6 | 39.0 | 39.4 | 39.7 |
| 36 | 0. | 0. | 0. | 36.9 | 35.4 | 35.3 | 35.6 | 36.0 | 36.5 | 37.0 | 37.5 | 38.0 | 38.4 | 38.9 | 39.3 | 39.7 |
| 37 | 0. | 0. | 36.8 | 34.4 | 34.2 | 34.6 | 35.1 | 35.7 | 36.3 | 36.8 | 37.4 | 37.9 | 38.3 | 38.8 | 39.2 | 39.6 |
| 38 | 0. | 39.0 | 33.4 | 33.1 | 33.5 | 34.1 | 34.7 | 35.4 | 36.0 | 36.7 | 37.2 | 37.7 | 38.2 | 38.7 | 39.1 | 39.5 |
| 39 | 0. | 32.6 | 31.8 | 32.2 | 32.9 | 33.7 | 34.5 | 35.2 | 35.9 | 36.5 | 37.1 | 37.7 | 38.2 | 38.6 | 39.1 | 39.5 |
| 40 | 32.9 | 30.5 | 30.8 | 31.6 | 32.5 | 33.4 | 34.3 | 35.0 | 35.8 | 36.4 | 37.0 | 37.6 | 38.1 | 38.6 | 39.0 | 39.5 |
| 41 | 29.1 | 29.3 | 30.2 | 31.2 | 32.2 | 33.2 | 34.1 | 34.9 | 35.6 | 36.3 | 37.0 | 37.5 | 38.1 | 38.5 | 39.0 | 39.4 |
| 42 | 27.5 | 28.5 | 29.7 | 30.9 | 32.0 | 33.0 | 34.0 | 34.8 | 35.6 | 36.3 | 36.9 | 37.5 | 38.0 | 38.5 | 39.0 | 39.4 |
| 43 | 26.5 | 28.0 | 29.4 | 30.7 | 31.8 | 32.9 | 33.8 | 34.7 | 35.5 | 36.2 | 36.8 | 37.4 | 38.0 | 38.5 | 38.9 | 39.4 |
| 44 | 25.9 | 27.6 | 29.1 | 30.5 | 31.7 | 32.8 | 33.8 | 34.6 | 35.4 | 36.2 | 36.8 | 37.4 | 38.0 | 38.5 | 38.9 | 39.4 |
| 45 | 25.4 | 27.3 | 28.9 | 30.3 | 31.6 | 32.7 | 33.7 | 34.6 | 35.4 | 36.1 | 36.8 | 37.4 | 37.9 | 38.4 | 38.9 | 39.3 |
| 46 | 25.1 | 27.0 | 28.7 | 30.2 | 31.5 | 32.6 | 33.6 | 34.5 | 35.3 | 36.1 | 36.7 | 37.4 | 37.9 | 38.4 | 38.9 | 39.3 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.50

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.9 | 49.2 | 46.8 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.9 | 47.3 | 45.5 | 44.7 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.2 | 45.8 | 44.5 | 43.8 | 43.5 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.6 | 47.4 | 44.6 | 43.5 | 43.0 | 42.8 | 42.7 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.7 | 46.1 | 43.6 | 42.6 | 42.2 | 42.1 | 42.1 | 42.2 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.0 | 45.0 | 42.6 | 41.8 | 41.5 | 41.4 | 41.5 | 41.6 | 41.8 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 78.2 | 44.1 | 41.7 | 40.9 | 40.7 | 40.7 | 40.8 | 41.0 | 41.3 | 41.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 43.5 | 40.9 | 40.1 | 39.9 | 40.0 | 40.2 | 40.4 | 40.7 | 41.0 | 41.3 |
| 34 | 0. | 0. | 0. | 0. | 0. | 43.2 | 40.1 | 39.3 | 39.1 | 39.2 | 39.5 | 39.8 | 40.1 | 40.5 | 40.8 | 41.1 |
| 35 | 0. | 0. | 0. | 0. | 43.7 | 39.3 | 38.4 | 38.3 | 38.4 | 38.8 | 39.1 | 39.5 | 39.9 | 40.3 | 40.7 | 41.0 |
| 36 | 0. | 0. | 0. | 46.6 | 38.6 | 37.5 | 37.3 | 37.6 | 38.0 | 38.4 | 38.8 | 39.3 | 39.7 | 40.1 | 40.5 | 40.9 |
| 37 | 0. | 0. | 0. | 38.1 | 36.5 | 36.4 | 36.7 | 37.1 | 37.6 | 38.1 | 38.6 | 39.1 | 39.6 | 40.0 | 40.4 | 40.8 |
| 38 | 0. | 0. | 38.4 | 35.5 | 35.3 | 35.6 | 36.2 | 36.7 | 37.3 | 37.9 | 38.5 | 39.0 | 39.5 | 39.9 | 40.4 | 40.8 |
| 39 | 0. | 42.1 | 34.6 | 34.1 | 34.5 | 35.1 | 35.8 | 36.5 | 37.1 | 37.7 | 38.3 | 38.9 | 39.4 | 39.8 | 40.3 | 40.7 |
| 40 | 0. | 34.1 | 32.9 | 33.3 | 34.0 | 34.7 | 35.5 | 36.3 | 37.0 | 37.6 | 38.2 | 38.8 | 39.3 | 39.8 | 40.2 | 40.6 |
| 41 | 35.1 | 31.6 | 31.9 | 32.7 | 33.5 | 34.4 | 35.3 | 36.1 | 36.8 | 37.5 | 38.1 | 38.7 | 39.2 | 39.7 | 40.2 | 40.6 |
| 42 | 30.5 | 30.3 | 31.2 | 32.2 | 33.2 | 34.2 | 35.1 | 35.9 | 36.7 | 37.4 | 38.0 | 38.6 | 39.2 | 39.7 | 40.1 | 40.6 |
| 43 | 28.6 | 29.5 | 30.7 | 31.9 | 33.0 | 34.0 | 35.0 | 35.8 | 36.6 | 37.3 | 38.0 | 38.6 | 39.1 | 39.6 | 40.1 | 40.6 |
| 44 | 27.5 | 28.9 | 30.3 | 31.6 | 32.8 | 33.9 | 34.9 | 35.7 | 36.5 | 37.3 | 37.9 | 38.5 | 39.1 | 39.6 | 40.1 | 40.5 |
| 45 | 26.8 | 28.5 | 30.0 | 31.4 | 32.7 | 33.8 | 34.8 | 35.7 | 36.5 | 37.2 | 37.9 | 38.5 | 39.1 | 39.6 | 40.1 | 40.5 |
| 46 | 26.3 | 28.2 | 29.8 | 31.2 | 32.5 | 33.7 | 34.7 | 35.6 | 36.4 | 37.2 | 37.9 | 38.5 | 39.0 | 39.6 | 40.0 | 40.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.75

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.5 | 50.0 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.5 | 51.1 | 48.6 | 47.4 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.8 | 49.5 | 47.4 | 46.5 | 46.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.3 | 48.1 | 46.4 | 45.6 | 45.2 | 45.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.6 | 47.0 | 45.5 | 44.8 | 44.5 | 44.4 | 44.5 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.8 | 46.1 | 44.6 | 44.0 | 43.8 | 43.8 | 43.9 | 44.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.4 | 45.2 | 43.8 | 43.2 | 43.1 | 43.1 | 43.3 | 43.5 | 43.7 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 50.9 | 44.5 | 42.9 | 42.4 | 42.3 | 42.4 | 42.6 | 42.9 | 43.2 | 43.5 |
| 35 | 0. | 0. | 0. | 0. | 0. | 53.8 | 43.9 | 42.1 | 41.6 | 41.6 | 41.7 | 42.0 | 42.3 | 42.6 | 42.9 | 43.3 |
| 36 | 0. | 0. | 0. | 0. | 0. | 43.5 | 41.3 | 40.8 | 40.8 | 41.0 | 41.3 | 41.6 | 42.0 | 42.4 | 42.7 | 43.1 |
| 37 | 0. | 0. | 0. | 0. | 43.6 | 40.5 | 39.9 | 39.9 | 40.2 | 40.5 | 40.9 | 41.4 | 41.8 | 42.2 | 42.6 | 43.0 |
| 38 | 0. | 0. | 0. | 45.2 | 39.8 | 39.0 | 39.0 | 39.3 | 39.7 | 40.2 | 40.7 | 41.2 | 41.6 | 42.1 | 42.5 | 42.9 |
| 39 | 0. | 0. | 60.7 | 39.3 | 38.0 | 38.0 | 38.3 | 38.8 | 39.4 | 39.9 | 40.5 | 41.0 | 41.5 | 41.9 | 42.4 | 42.8 |
| 40 | 0. | 0. | 39.4 | 37.0 | 36.9 | 37.3 | 37.9 | 38.5 | 39.1 | 39.7 | 40.3 | 40.9 | 41.4 | 41.9 | 42.3 | 42.7 |
| 41 | 0. | 42.4 | 36.1 | 35.7 | 36.1 | 36.8 | 37.5 | 38.2 | 38.9 | 39.6 | 40.2 | 40.7 | 41.3 | 41.8 | 42.2 | 42.7 |
| 42 | 0. | 35.6 | 34.5 | 34.9 | 35.6 | 36.4 | 37.2 | 38.0 | 38.7 | 39.4 | 40.1 | 40.7 | 41.2 | 41.7 | 42.2 | 42.6 |
| 43 | 36.8 | 33.2 | 33.4 | 34.2 | 35.2 | 36.1 | 37.0 | 37.8 | 38.6 | 39.3 | 40.0 | 40.6 | 41.1 | 41.7 | 42.1 | 42.6 |
| 44 | 32.1 | 31.8 | 32.7 | 33.8 | 34.9 | 35.9 | 36.8 | 37.7 | 38.5 | 39.2 | 39.9 | 40.5 | 41.1 | 41.6 | 42.1 | 42.6 |
| 45 | 30.1 | 31.0 | 32.2 | 33.5 | 34.6 | 35.7 | 36.7 | 37.6 | 38.4 | 39.2 | 39.8 | 40.5 | 41.1 | 41.6 | 42.1 | 42.5 |
| 46 | 29.0 | 30.4 | 31.8 | 33.2 | 34.4 | 35.6 | 36.6 | 37.5 | 38.3 | 39.1 | 39.8 | 40.4 | 41.0 | 41.6 | 42.0 | 42.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.95

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.4 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78.2 | 55.1 | 51.7 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.6 | 53.0 | 50.3 | 49.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.4 | 51.4 | 49.2 | 48.2 | 47.7 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.2 | 50.2 | 48.2 | 47.3 | 46.9 | 46.8 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.9 | 49.1 | 47.3 | 46.5 | 46.2 | 46.1 | 46.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 48.2 | 46.5 | 45.8 | 45.5 | 45.4 | 45.5 | 45.7 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.7 | 47.5 | 45.6 | 45.0 | 44.8 | 44.8 | 44.9 | 45.1 | 45.3 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 57.2 | 46.9 | 44.9 | 44.2 | 44.0 | 44.1 | 44.3 | 44.5 | 44.8 | 45.1 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 46.5 | 44.1 | 43.4 | 43.3 | 43.4 | 43.6 | 43.9 | 44.2 | 44.5 | 44.8 |
| 37 | 0. | 0. | 0. | 0. | 0. | 46.5 | 43.4 | 42.6 | 42.4 | 42.6 | 42.9 | 43.2 | 43.6 | 44.0 | 44.3 | 44.7 |
| 38 | 0. | 0. | 0. | 0. | 47.6 | 42.7 | 41.7 | 41.6 | 41.8 | 42.1 | 42.5 | 42.9 | 43.3 | 43.8 | 44.2 | 44.6 |
| 39 | 0. | 0. | 0. | 53.5 | 42.2 | 40.8 | 40.7 | 40.9 | 41.3 | 41.7 | 42.2 | 42.7 | 43.2 | 43.6 | 44.0 | 44.4 |
| 40 | 0. | 0. | 0. | 42.2 | 40.0 | 39.7 | 39.9 | 40.4 | 40.9 | 41.5 | 42.0 | 42.5 | 43.0 | 43.5 | 43.9 | 44.4 |
| 41 | 0. | 0. | 43.8 | 39.2 | 38.6 | 38.9 | 39.4 | 40.0 | 40. | 41.2 | 41.8 | 42.4 | 42.9 | 43.4 | 43.9 | 44.3 |
| 42 | 0. | 0. | 38.6 | 37.5 | 37.7 | 38.3 | 39.0 | 39.7 | 40. | 41.1 | 41.7 | 42.3 | 42.8 | 43.3 | 43.8 | 44.2 |
| 43 | 0. | 39.1 | 36.4 | 36.5 | 37.1 | 37.9 | 38.7 | 39.5 | 40.2 | 40.9 | 41.6 | 42.2 | 42.7 | 43.2 | 43.7 | 44.2 |
| 44 | 49.1 | 35.4 | 35.1 | 35.8 | 36.6 | 37.6 | 38.4 | 39.3 | 40.1 | 40.8 | 41.5 | 42.1 | 42.6 | 43.2 | 43.7 | 44.1 |
| 45 | 35.2 | 33.7 | 34.3 | 35.2 | 36.3 | 37.3 | 38.3 | 39.1 | 39.9 | 40.7 | 41.4 | 42.0 | 42.6 | 43.1 | 43.6 | 44.1 |
| 46 | 32.2 | 32.6 | 33.7 | 34.8 | 36.0 | 37.1 | 38.1 | 39.0 | 39.8 | 40.6 | 41.3 | 41.9 | 42.5 | 43.1 | 43.6 | 44.1 |
| 47 | 30.7 | 31.8 | 33.2 | 34.5 | 35.8 | 36.9 | 38.0 | 38.9 | 39.8 | 40.5 | 41.2 | 41.9 | 42.5 | 43.1 | 43.6 | 44.0 |
| 48 | 29.7 | 31.3 | 32.8 | 34.3 | 35.6 | 36.8 | 37.9 | 38.8 | 39.7 | 40.5 | 41.2 | 41.9 | 42.5 | 43.0 | 43.5 | 44.0 |
| 49 | 29.1 | 30.9 | 32.6 | 34.1 | 35.5 | 36.7 | 37.8 | 38.7 | 39.6 | 40.4 | 41.2 | 41.8 | 42.4 | 43.0 | 43.5 | 44.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.25

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.2 | 55.9 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.0 | 54.3 | 52.4 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.0 | 53.1 | 51.5 | 50.6 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.5 | 52.0 | 50.6 | 49.9 | 49.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.5 | 51.1 | 49.7 | 49.1 | 48.8 | 48.8 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.8 | 50.2 | 48.9 | 48.4 | 48.1 | 48.1 | 48.2 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.4 | 49.5 | 48.1 | 47.6 | 47.5 | 47.5 | 47.6 | 47.8 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.5 | 48.8 | 47.4 | 46.9 | 46.7 | 46.8 | 47.0 | 47.2 | 47.5 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 54.8 | 48.3 | 46.6 | 46.1 | 46.0 | 46.1 | 46.3 | 46.6 | 46.9 | 47.2 |
| 38 | 0. | 0. | 0. | 0. | 0. | 60.1 | 47.9 | 45.9 | 45.3 | 45.2 | 45.4 | 45.7 | 46.0 | 46.3 | 46.7 | 47.0 |
| 39 | 0. | 0. | 0. | 0. | 0. | 47.9 | 45.2 | 44.5 | 44.4 | 44.6 | 44.9 | 45.3 | 45.7 | 46.1 | 46.5 | 46.9 |
| 40 | 0. | 0. | 0. | 0. | 49.0 | 44.6 | 43.6 | 43.5 | 43.8 | 44.1 | 44.6 | 45.0 | 45.5 | 45.9 | 46.3 | 46.8 |
| 41 | 0. | 0. | 0. | 54.3 | 44.1 | 42.8 | 42.6 | 42.9 | 43.3 | 43.8 | 44.3 | 44.8 | 45.3 | 45.8 | 46.2 | 46.6 |
| 42 | 0. | 0. | 0. | 44.3 | 41.9 | 41.6 | 41.9 | 42.4 | 42.9 | 43.5 | 44.1 | 44.6 | 45.1 | 45.6 | 46.1 | 46.6 |
| 43 | 0. | 0. | 46.3 | 41.2 | 40.6 | 40.8 | 41.4 | 42.0 | 42.6 | 43.3 | 43.9 | 44.5 | 45.0 | 45.5 | 46.0 | 46.5 |
| 44 | 0. | 0. | 40.8 | 39.5 | 39.7 | 40.3 | 41.0 | 41.7 | 42.4 | 43.1 | 43.8 | 44.4 | 44.9 | 45.5 | 46.0 | 46.4 |
| 45 | 0. | 41.8 | 38.4 | 38.4 | 39.0 | 39.0 | 40.6 | 41.5 | 42.2 | 43.0 | 43.6 | 44.3 | 44.8 | 45.4 | 45.9 | 46.4 |
| 46 | 0. | 37.6 | 37.0 | 37.7 | 38.5 | 39.5 | 40.4 | 41.3 | 42.1 | 42.8 | 43.5 | 44.2 | 44.8 | 45.3 | 45.8 | 46.3 |
| 47 | 38.2 | 35.7 | 36.1 | 37.1 | 38.2 | 39.2 | 40.2 | 41.1 | 41.9 | 42.7 | 43.4 | 44.1 | 44.7 | 45.3 | 45.8 | 46.3 |
| 48 | 34.5 | 34.4 | 35.5 | 36.7 | 37.9 | 39.0 | 40.0 | 41.0 | 41.8 | 42.6 | 43.4 | 44.0 | 44.7 | 45.2 | 45.8 | 46.3 |
| 49 | 32.6 | 33.6 | 35.0 | 36.3 | 37.6 | 38.8 | 39.9 | 40.9 | 41.8 | 42.6 | 43.3 | 44.0 | 44.6 | 45.2 | 45.7 | 46.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.54

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.6 | 59.9 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.3 | 58.2 | 55.5 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.5 | 56.8 | 54.5 | 53.4 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.9 | 55.7 | 53.6 | 52.6 | 52.1 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.0 | 54.8 | 52.7 | 51.8 | 51.4 | 51.2 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.8 | 54.0 | 51.9 | 51.1 | 50.7 | 50.5 | 50.6 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.9 | 53.4 | 51.2 | 50.3 | 50.0 | 49.9 | 49.9 | 50.1 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.1 | 53.0 | 50.5 | 49.6 | 49.2 | 49.2 | 49.3 | 49.5 | 49.7 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.9 | 49.8 | 48.8 | 48.5 | 48.5 | 48.6 | 48.9 | 49.1 | 49.4 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 53.4 | 49.3 | 48.1 | 47.7 | 47.8 | 47.9 | 48.2 | 48.5 | 48.9 | 49.2 |
| 40 | 0. | 0. | 0. | 0. | 0. | 55.6 | 48.8 | 47.3 | 46.9 | 47.0 | 47.2 | 47.5 | 47.9 | 48.3 | 48.7 | 49.0 |
| 41 | 0. | 0. | 0. | 0. | 68.1 | 48.7 | 46.6 | 46.1 | 46.1 | 46.4 | 46.8 | 47.2 | 47.6 | 48.1 | 48.5 | 48.9 |
| 42 | 0. | 0. | 0. | 0. | 49.4 | 46.0 | 45.2 | 45.3 | 45.6 | 46.0 | 46.4 | 46.9 | 47.4 | 47.9 | 48.3 | 48.8 |
| 43 | 0. | 0. | 0. | 52.7 | 45.5 | 44.4 | 44.3 | 44.6 | 45.1 | 45.6 | 46.2 | 46.7 | 47.2 | 47.7 | 48.2 | 48.7 |
| 44 | 0. | 0. | 0. | 45.5 | 43.5 | 43.3 | 43.6 | 44.2 | 44.8 | 45.4 | 46.0 | 46.5 | 47.1 | 47.6 | 48.1 | 48.6 |
| 45 | 0. | 0. | 47.2 | 42.7 | 42.2 | 42.5 | 43.1 | 43.8 | 44.5 | 45.1 | 45.8 | 46.4 | 47.0 | 47.5 | 48.0 | 48.5 |
| 46 | 0. | 0. | 42.3 | 41.1 | 41.3 | 42.0 | 42.7 | 43.5 | 44.3 | 45.0 | 45.6 | 46.3 | 46.9 | 47.4 | 48.0 | 48.4 |
| 47 | 0. | 43.4 | 40.0 | 40.1 | 40.7 | 41.5 | 42.4 | 43.3 | 44.1 | 44.8 | 45.5 | 46.2 | 46.8 | 47.4 | 47.9 | 48.4 |
| 48 | 0. | 39.3 | 38.7 | 39.3 | 40.2 | 41.2 | 42.2 | 43.1 | 43.9 | 44.7 | 45.4 | 46.1 | 46.7 | 47.3 | 47.9 | 48.4 |
| 49 | 40.2 | 37.3 | 37.7 | 38.7 | 39.8 | 40.9 | 42.0 | 42.9 | 43.8 | 44.6 | 45.3 | 46.0 | 46.7 | 47.3 | 47.8 | 48.3 |
| 50 | 36.2 | 36.0 | 37.1 | 38.3 | 39.5 | 40.7 | 41.8 | 42.8 | 43.7 | 44.5 | 45.3 | 46.0 | 46.6 | 47.2 | 47.8 | 48.3 |
| 51 | 34.3 | 35.2 | 36.6 | 38.0 | 39.3 | 40.5 | 41.6 | 42.7 | 43.6 | 44.4 | 45.2 | 45.9 | 46.6 | 47.2 | 47.7 | 48.3 |
| 52 | 33.1 | 34.6 | 36.2 | 37.7 | 39.1 | 40.4 | 41.5 | 42.6 | 43.5 | 44.4 | 45.2 | 45.9 | 46.5 | 47.1 | 47.7 | 48.2 |
| 53 | 32.3 | 34.1 | 35.9 | 37.5 | 38.9 | 40.2 | 41.4 | 42.5 | 43.4 | 44.3 | 45.1 | 45.8 | 46.5 | 47.1 | 47.7 | 48.2 |
| 54 | 31.7 | 33.7 | 35.6 | 37.3 | 38.8 | 40.1 | 41.3 | 42.4 | 43.4 | 44.3 | 45.1 | 45.8 | 46.5 | 47.1 | 47.7 | 48.2 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

### YARN BULK DENSITY =3.75

### FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 77.8 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.9 | 60.9 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.4 | 59.4 | 56.9 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.4 | 58.2 | 55.9 | 54.8 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.2 | 57.2 | 55.1 | 54.1 | 53.6 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.7 | 56.4 | 54.3 | 53.3 | 52.9 | 52.7 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 55.7 | 53.5 | 52.6 | 52.2 | 52.0 | 52.0 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.8 | 55.2 | 52.8 | 51.8 | 51.5 | 51.4 | 51.4 | 51.6 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.2 | 54.9 | 52.1 | 51.1 | 50.8 | 50.7 | 50.8 | 51.0 | 51.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.1 | 51.6 | 50.4 | 50.0 | 50.0 | 50.1 | 50.3 | 50.6 | 50.9 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 56.1 | 51.1 | 49.7 | 49.3 | 49.2 | 49.4 | 49.7 | 50.0 | 50.3 | 50.7 |
| 41 | 0. | 0. | 0. | 0. | 0. | 59.9 | 50.8 | 49.0 | 48.5 | 48.5 | 48.7 | 49.0 | 49.3 | 49.7 | 50.1 | 50.5 |
| 42 | 0. | 0. | 0. | 0. | 0. | 51.0 | 48.3 | 47.7 | 47.6 | 47.9 | 48.2 | 48.6 | 49.1 | 49.5 | 49.9 | 50.3 |
| 43 | 0. | 0. | 0. | 0. | 52.3 | 47.8 | 46.8 | 46.8 | 47.0 | 47.4 | 47.9 | 48.4 | 48.8 | 49.3 | 49.8 | 50.2 |
| 44 | 0. | 0. | 0. | 59.4 | 47.5 | 46.0 | 45.8 | 46.1 | 46.5 | 47.1 | 47.6 | 48.1 | 48.7 | 49.2 | 49.7 | 50.1 |
| 45 | 0. | 0. | 0. | 48.1 | 45.2 | 44.8 | 45.1 | 45.6 | 46.2 | 46.8 | 47.4 | 48.0 | 48.5 | 49.0 | 49.5 | 50.0 |
| 46 | 0. | 0. | 52.0 | 44.7 | 43.8 | 44.0 | 44.5 | 45.2 | 45.9 | 46.5 | 47.2 | 47.8 | 48.4 | 48.9 | 49.5 | 49.9 |
| 47 | 0. | 0. | 44.8 | 42.8 | 42.8 | 43.4 | 44.1 | 44.9 | 45.6 | 46.3 | 47.0 | 47.7 | 48.3 | 48.9 | 49.4 | 49.9 |
| 48 | 0. | 47.9 | 41.9 | 41.6 | 42.1 | 42.9 | 43.8 | 44.6 | 45.4 | 46.2 | 46.9 | 47.6 | 48.2 | 48.8 | 49.3 | 49.8 |
| 49 | 0. | 41.7 | 40.3 | 40.7 | 41.6 | 42.5 | 43.5 | 44.4 | 45.3 | 46.1 | 46.8 | 47.5 | 48.1 | 48.7 | 49.3 | 49.8 |
| 50 | 45.3 | 39.1 | 39.2 | 40.1 | 41.2 | 42.2 | 43.3 | 44.2 | 45.1 | 45.9 | 46.7 | 47.4 | 48.1 | 48.7 | 49.2 | 49.7 |
| 51 | 38.7 | 37.6 | 38.4 | 39.6 | 40.8 | 42.0 | 43.1 | 44.1 | 45.0 | 45.8 | 46.6 | 47.3 | 48.0 | 48.6 | 49.2 | 49.7 |
| 52 | 36.1 | 36.6 | 37.9 | 39.2 | 40.6 | 41.8 | 42.9 | 44.0 | 44.9 | 45.8 | 46.6 | 47.3 | 48.0 | 48.6 | 49.2 | 49.7 |
| 53 | 34.6 | 35.9 | 37.4 | 38.9 | 40.3 | 41.6 | 42.8 | 43.9 | 44.8 | 45.7 | 46.5 | 47.2 | 47.9 | 48.5 | 49.1 | 49.7 |
| 54 | 33.6 | 35.3 | 37.1 | 38.7 | 40.2 | 41.5 | 42.7 | 43.8 | 44.8 | 45.6 | 46.5 | 47.2 | 47.9 | 48.5 | 49.1 | 49.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.00

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 79.4 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.6 | 63.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.5 | 61.6 | 58.9 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | . | 0. | 0. | 0. | 0. | 0. | 57.7 | 60.5 | 58.0 | 56.8 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.9 | 59.5 | 57.1 | 56.0 | 55.4 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.0 | 58.8 | 56.4 | 55.3 | 54.7 | 54.5 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.5 | 58.3 | 55.7 | 54.5 | 54.1 | 53.9 | 53.8 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.4 | 58.0 | 55.0 | 53.8 | 53.4 | 53.2 | 53.2 | 53.3 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.1 | 54.4 | 53.1 | 52.7 | 52.5 | 52.6 | 52.7 | 53.0 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.9 | 54.0 | 52.5 | 51.9 | 51.8 | 51.9 | 52.1 | 52.4 | 52.7 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 61.5 | 53.7 | 51.8 | 51.2 | 51.1 | 51.2 | 51.4 | 51.7 | 52.1 | 52.4 |
| 42 | 0. | 0. | 0. | 0. | 0. | 76.4 | 53.8 | 51.2 | 50.4 | 50.3 | 50.4 | 50.7 | 51.1 | 51.4 | 51.8 | 52.2 |
| 43 | 0. | 0. | 0. | 0. | 0. | 54.7 | 50.7 | 49.7 | 49.5 | 49.6 | 50.0 | 50.3 | 50.8 | 51.2 | 51.6 | 52.0 |
| 44 | 0. | 0. | 0. | 0. | 58.5 | 50.4 | 48.9 | 48.6 | 48.8 | 49.1 | 49.6 | 50.0 | 50.5 | 51.0 | 51.5 | 51.9 |
| 45 | 0. | 0. | 0. | 0. | 50.7 | 48.2 | 47.7 | 47.9 | 48.3 | 48.7 | 49.3 | 49.8 | 50.3 | 50.8 | 51.3 | 51.8 |
| 46 | 0. | 0. | 0. | 52.8 | 47.6 | 46.8 | 46.9 | 47.3 | 47.8 | 48.4 | 49.0 | 49.6 | 50.2 | 50.7 | 51.2 | 51.7 |
| 47 | 0. | 0. | 83.3 | 47.5 | 45.9 | 45.8 | 46.3 | 46.9 | 47.5 | 48.2 | 48.8 | 49.4 | 50.0 | 50.6 | 51.1 | 51.6 |
| 48 | 0. | 0. | 49.0 | 45.1 | 44.7 | 45.1 | 45.8 | 46.5 | 47.2 | 48.0 | 48.7 | 49.3 | 49.9 | 50.5 | 51.0 | 51.6 |
| 49 | 0. | 70.8 | 44.7 | 43.6 | 43.9 | 44.6 | 45.4 | 46.2 | 47.0 | 47.8 | 48.5 | 49.2 | 49.8 | 50.4 | 51.0 | 51.5 |
| 50 | 0. | 45.9 | 42.5 | 42.5 | 43.3 | 44.1 | 45.1 | 46.0 | 46.8 | 47.6 | 48.4 | 49.1 | 49.7 | 50.4 | 50.9 | 51.4 |
| 51 | 0. | 41.8 | 41.1 | 41.8 | 42.8 | 43.8 | 44.8 | 45.8 | 46.7 | 47.5 | 48.3 | 49.0 | 49.7 | 50.3 | 50.9 | 51.4 |
| 52 | 43.3 | 39.8 | 40.2 | 41.2 | 42.4 | 43.5 | 44.6 | 45.6 | 46.6 | 47.4 | 48.2 | 48.9 | 49.6 | 50.2 | 50.8 | 51.4 |
| 53 | 38.9 | 38.5 | 39.5 | 40.8 | 42.1 | 43.3 | 44.4 | 45.5 | 46.4 | 47.3 | 48.1 | 48.9 | 49.6 | 50.2 | 50.8 | 51.3 |
| 54 | 36.7 | 37.6 | 39.0 | 40.4 | 41.8 | 43.1 | 44.3 | 45.4 | 46.4 | 47.2 | 48.1 | 48.8 | 49.5 | 50.2 | 50.8 | 51.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.13

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.4 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.3 | 61.6 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.8 | 60.6 | 58.7 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.8 | 59.6 | 57.9 | 57.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.2 | 58.9 | 57.1 | 56.3 | 55.9 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.9 | 58.2 | 56.4 | 55.6 | 55.2 | 55.1 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.3 | 57.6 | 55.7 | 54.9 | 54.5 | 54.5 | 54.5 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.9 | 57.2 | 55.1 | 54.2 | 53.9 | 53.8 | 53.9 | 54.0 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.1 | 57.1 | 54.5 | 53.5 | 53.2 | 53.1 | 53.2 | 53.4 | 53.7 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.4 | 53.9 | 52.8 | 52.4 | 52.4 | 52.6 | 52.8 | 53.1 | 53.4 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 58.7 | 53.5 | 52.1 | 51.7 | 51.7 | 51.8 | 52.1 | 52.5 | 52.8 | 53.2 |
| 43 | 0. | 0. | 0. | 0. | 0. | 63.4 | 53.4 | 51.5 | 50.9 | 50.9 | 51.1 | 51.4 | 51.8 | 52.2 | 52.6 | 53.0 |
| 44 | 0. | 0. | 0. | 0. | 0. | 53.9 | 50.9 | 50.1 | 50.0 | 50.3 | 50.6 | 51.1 | 51.5 | 52.0 | 52.4 | 52.8 |
| 45 | 0. | 0. | 0. | 0. | 56.0 | 50.4 | 49.3 | 49.2 | 49.4 | 49.8 | 50.3 | 50.8 | 51.3 | 51.8 | 52.3 | 52.7 |
| 46 | 0. | 0. | 0. | 70.9 | 50.5 | 48.5 | 48.2 | 48.5 | 48.9 | 49.4 | 50.0 | 50.6 | 51.1 | 51.6 | 52.1 | 52.6 |
| 47 | 0. | 0. | 0. | 51.7 | 47.9 | 47.3 | 47.5 | 47.9 | 48.5 | 49.1 | 49.8 | 50.4 | 50.9 | 51.5 | 52.0 | 52.5 |
| 48 | 0. | 0. | 60.4 | 47.6 | 46.3 | 46.4 | 46.9 | 47.5 | 48.2 | 48.9 | 49.6 | 50.2 | 50.8 | 51.4 | 51.9 | 52.4 |
| 49 | 0. | 0. | 48.4 | 45.4 | 45.2 | 45.7 | 46.4 | 47.2 | 47.9 | 48.7 | 49.4 | 50.1 | 50.7 | 51.3 | 51.9 | 52.4 |
| 50 | 0. | 57.3 | 44.8 | 44.0 | 44.4 | 45.2 | 46.0 | 46.9 | 47.7 | 48.5 | 49.3 | 50.0 | 50.6 | 51.2 | 51.8 | 52.3 |
| 51 | 0. | 45.6 | 42.9 | 43.1 | 43.8 | 44.8 | 45.7 | 46.7 | 47.6 | 48.4 | 49.2 | 49.9 | 50.5 | 51.2 | 51.7 | 52.3 |
| 52 | 63.0 | 42.1 | 41.6 | 42.4 | 43.4 | 44.5 | 45.5 | 46.5 | 47.4 | 48.3 | 49.1 | 49.8 | 50.5 | 51.1 | 51.7 | 52.2 |
| 53 | 43.0 | 40.2 | 40.7 | 41.8 | 43.0 | 44.2 | 45.3 | 46.3 | 47.3 | 48.2 | 49.0 | 49.7 | 50.4 | 51.0 | 51.6 | 52.2 |
| 54 | 39.1 | 38.9 | 40.0 | 41.4 | 42.7 | 44.0 | 45.1 | 46.2 | 47.2 | 48.1 | 48.9 | 49.7 | 50.4 | 51.0 | 51.6 | 52.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.60

FOUR-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 103.6 | 69.9 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 91.5 | 68.5 | 64.4 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 91.1 | 67.5 | 63.5 | 61.7 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 108.5 | 66.9 | 62.7 | 61.0 | 60.1 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.6 | 62.1 | 60.3 | 59.4 | 59.0 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.9 | 61.6 | 59.6 | 58.7 | 58.3 | 58.2 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.0 | 61.2 | 59.0 | 58.1 | 57.7 | 57.5 | 57.6 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.3 | 61.0 | 58.4 | 57.4 | 57.0 | 56.9 | 56.9 | 57.1 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 89.0 | 61.3 | 57.9 | 56.7 | 56.3 | 56.2 | 56.3 | 56.5 | 56.7 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.3 | 57.6 | 56.1 | 55.6 | 55.5 | 55.6 | 55.8 | 56.1 | 56.4 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 65.5 | 57.5 | 55.5 | 54.9 | 54.8 | 54.9 | 55.1 | 55.5 | 55.8 | 56.2 |
| 45 | 0. | 0. | 0. | 0. | 0. | 88.3 | 57.8 | 55.0 | 54.1 | 54.0 | 54.1 | 54.4 | 54.8 | 55.2 | 55.6 | 56.0 |
| 46 | 0. | 0. | 0. | 0. | 0. | 59.4 | 54.6 | 53.4 | 53.2 | 53.3 | 53.6 | 54.0 | 54.5 | 54.9 | 55.4 | 55.8 |
| 47 | 0. | 0. | 0. | 0. | 66.2 | 54.6 | 52.7 | 52.3 | 52.4 | 52.8 | 53.2 | 53.7 | 54.2 | 54.7 | 55.2 | 55.7 |
| 48 | 0. | 0. | 0. | 0. | 55.6 | 52.1 | 51.4 | 51.5 | 51.9 | 52.4 | 52.9 | 53.5 | 54.0 | 54.6 | 55.1 | 55.6 |
| 49 | 0. | 0. | 0. | 60.3 | 51.9 | 50.6 | 50.5 | 50.9 | 51.4 | 52.0 | 52.6 | 53.3 | 53.9 | 54.4 | 55.0 | 55.5 |
| 50 | 0. | 0. | 0. | 52.5 | 49.8 | 49.5 | 49.8 | 50.4 | 51.1 | 51.8 | 52.4 | 53.1 | 53.7 | 54.3 | 54.9 | 55.4 |
| 51 | 0. | 0. | 56.9 | 49.3 | 48.4 | 48.7 | 49.3 | 50.0 | 50.8 | 51.5 | 52.2 | 52.9 | 53.6 | 54.2 | 54.8 | 55.3 |
| 52 | 0. | 0. | 49.8 | 47.5 | 47.5 | 48.1 | 48.9 | 49.7 | 50.5 | 51.3 | 52.1 | 52.8 | 53.5 | 54.1 | 54.7 | 55.3 |
| 53 | 0. | 55.3 | 46.8 | 46.2 | 46.7 | 47.6 | 48.5 | 49.4 | 50.3 | 51.2 | 52.0 | 52.7 | 53.4 | 54.0 | 54.6 | 55.2 |
| 54 | 0. | 47.2 | 45.0 | 45.3 | 46.2 | 47.2 | 48.2 | 49.2 | 50.2 | 51.0 | 51.9 | 52.6 | 53.3 | 54.0 | 54.6 | 55.2 |
| 55 | 58.6 | 44.1 | 43.8 | 44.6 | 45.7 | 46.9 | 48.0 | 49.0 | 50.0 | 50.9 | 51.8 | 52.5 | 53.3 | 53.9 | 54.5 | 55.1 |
| 56 | 45.0 | 42.3 | 42.9 | 44.1 | 45.4 | 46.6 | 47.8 | 48.9 | 49.9 | 50.8 | 51.7 | 52.5 | 53.2 | 53.9 | 54.5 | 55.1 |

# 5-HARNESS

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.54

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 23.3 | 22.4 | 22.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.1 | 21.9 | 21.4 | 21.2 | 21.1 | 21.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 21.8 | 20.9 | 20.6 | 20.5 | 20.5 | 20.5 | 20.6 | 20.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 24.9 | 20.7 | 20.0 | 19.8 | 19.8 | 19.8 | 19.9 | 20.0 | 20.2 | 20.3 | 20.4 |
| 18 | 0. | 0. | 0. | 0. | 19.9 | 19.1 | 18.9 | 19.0 | 19.1 | 19.3 | 19.5 | 19.6 | 19.8 | 20.0 | 20.2 | 20.3 |
| 19 | 0. | 0. | 19.5 | 18.1 | 17.9 | 18.0 | 18.3 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 | 19.7 | 19.9 | 20.1 | 20.2 |
| 20 | 0. | 17.0 | 16.7 | 16.9 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 | 19.1 | 19.4 | 19.6 | 19.8 | 20.0 | 20.2 |
| 21 | 15.1 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.3 | 19.5 | 19.8 | 20.0 | 20.1 |
| 22 | 14.0 | 14.8 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.5 | 19.7 | 19.9 | 20.1 |
| 23 | 13.5 | 14.5 | 15.3 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 |
| 24 | 13.3 | 14.3 | 15.1 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 |
| 25 | 13.1 | 14.2 | 15.1 | 15.8 | 16.4 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 |
| 26 | 13.0 | 14.1 | 15.0 | 15.8 | 16.4 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 |
| 27 | 13.0 | 14.1 | 15.0 | 15.7 | 16.4 | 17.0 | 17.4 | 17.9 | 18.3 | 18.5 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 28 | 12.9 | 14.0 | 15.0 | 15.7 | 16.4 | 16.9 | 17.4 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 29 | 12.9 | 14.0 | 14.9 | 15.7 | 16.4 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 30 | 12.9 | 14.0 | 14.9 | 15.7 | 16.4 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 31 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 32 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 33 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 34 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 35 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 36 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |
| 37 | 12.9 | 14.0 | 14.9 | 15.7 | 16.3 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.55

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 24.2 | 23.0 | 22.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.4 | 22.5 | 21.9 | 21.5 | 21.4 | 21.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.7 | 21.4 | 21.0 | 20.8 | 20.8 | 20.8 | 20.8 | 20 9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 21.6 | 20.5 | 20.1 | 20.1 | 20.1 | 20.2 | 20.3 | 20.4 | 20.5 | 20.7 |
| 18 | 0. | 0. | 0. | 0. | 20.9 | 19.6 | 19.3 | 19.3 | 19.4 | 19.5 | 19.7 | 19.9 | 20.0 | 20.2 | 20.4 | 20.5 |
| 19 | 0. | 0. | 21.6 | 18.6 | 18.3 | 18.3 | 18.5 | 18.7 | 19.0 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 | 20.4 |
| 20 | 0. | 17.9 | 17.1 | 17.2 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 | 19.6 | 19.8 | 20.0 | 20.2 | 20.4 |
| 21 | 15.7 | 15.7 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.2 | 19.5 | 19.7 | 20.0 | 20.2 | 20.3 |
| 22 | 14.3 | 15.0 | 15.7 | 16.3 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 |
| 23 | 13.7 | 14.7 | 15.5 | 16.1 | 16.7 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.1 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 |
| 24 | 13.4 | 14.5 | 15.3 | 16.0 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 |
| 25 | 13.3 | 14.3 | 15.2 | 16.0 | 16.6 | 17.2 | 17.6 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 26 | 13.2 | 14.3 | 15.2 | 15.9 | 16.6 | 17.1 | 17.6 | 18.1 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 27 | 13.1 | 14.2 | 15.1 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 28 | 13.1 | 14.2 | 15.1 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 29 | 13.0 | 14.2 | 15.1 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 30 | 13.0 | 14.1 | 15.1 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 |
| 31 | 13.0 | 14.1 | 15.1 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 32 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 33 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 34 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 35 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 36 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |
| 37 | 13.0 | 14.1 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.8 | 20.1 | 20.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.56

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.4 | 23.6 | 22.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 23.2 | 22.3 | 21.9 | 21.7 | 21.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 22.0 | 21.4 | 21.1 | 21.0 | 21.0 | 21.1 | 21.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 22.8 | 21.0 | 20.5 | 20.4 | 20.4 | 20.4 | 20.5 | 20.6 | 20.7 | 20.9 |
| 18 | 0. | 0. | 0. | 0. | 22.5 | 20.1 | 19.6 | 19.6 | 19.6 | 19.8 | 19.9 | 20.1 | 20.2 | 20.4 | 20.6 | 20.7 |
| 19 | 0. | 0. | 0. | 19.3 | 18.7 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.6 |
| 20 | 0. | 19.1 | 17.6 | 17.5 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 | 20.6 |
| 21 | 16.4 | 16.1 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 |
| 22 | 14.6 | 15.2 | 15.9 | 16.5 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.6 | 19.9 | 20.1 | 20.3 | 20.5 |
| 23 | 13.9 | 14.8 | 15.6 | 16.3 | 16.9 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.1 | 20.3 | 20.5 |
| 24 | 13.6 | 14.6 | 15.5 | 16.2 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.8 | 20.1 | 20.3 | 20.5 |
| 25 | 13.4 | 14.5 | 15.4 | 16.1 | 16.8 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.8 | 20.1 | 20.3 | 20.5 |
| 26 | 13.3 | 14.4 | 15.3 | 16.1 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 | 19.8 | 20.0 | 20.3 | 20.5 |
| 27 | 13.2 | 14.3 | 15.3 | 16.0 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 |
| 28 | 13.2 | 14.3 | 15.2 | 16.0 | 16.7 | 17.3 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 | 19.5 | 19.8 | 20.0 | 20.3 | 20.4 |
| 29 | 13.2 | 14.3 | 15.2 | 16.0 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.3 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 30 | 13.1 | 14.3 | 15.2 | 16.0 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 31 | 13.1 | 14.3 | 15.2 | 16.0 | 16.7 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 32 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 33 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 34 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 35 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 36 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |
| 37 | 13.1 | 14.2 | 15.2 | 16.0 | 16.6 | 17.2 | 17.7 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.57

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 24.3 | 23.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.1 | 22.8 | 22.3 | 22.1 | 21.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 22.7 | 21.8 | 21.5 | 21.3 | 21.3 | 21.3 | 21.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 21.6 | 20.9 | 20.7 | 20.6 | 20.7 | 20.8 | 20.9 | 21.0 | 21.1 |
| 18 | 0. | 0. | 0. | 0. | 26.1 | 20.8 | 20.0 | 19.9 | 19.9 | 20.0 | 20.1 | 20.3 | 20.5 | 20.6 | 20.8 | 20.9 |
| 19 | 0. | 0. | 0. | 20.2 | 19.1 | 19.0 | 19.0 | 19.2 | 19.4 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.8 |
| 20 | 0. | 21.6 | 18.1 | 17.8 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 | 20.8 |
| 21 | 17.4 | 16.5 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 |
| 22 | 14.9 | 15.5 | 16.1 | 16.7 | 17.3 | 17.7 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 | 19.8 | 20.1 | 20.3 | 20.5 | 20.7 |
| 23 | 14.2 | 15.0 | 15.8 | 16.5 | 17.1 | 17.6 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.0 | 20.3 | 20.5 | 20.7 |
| 24 | 13.8 | 14.8 | 15.6 | 16.4 | 17.0 | 17.5 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.0 | 20.2 | 20.5 | 20.7 |
| 25 | 13.6 | 14.6 | 15.5 | 16.3 | 16.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 26 | 13.5 | 14.6 | 15.5 | 16.2 | 16.9 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 27 | 13.4 | 14.5 | 15.4 | 16.2 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 28 | 13.3 | 14.4 | 15.4 | 16.2 | 16.8 | 17.4 | 17.9 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 29 | 13.3 | 14.4 | 15.4 | 16.1 | 16.8 | 17.4 | 17.9 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 30 | 13.3 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 31 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 32 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 33 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 34 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 35 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 36 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.6 |
| 37 | 13.2 | 14.4 | 15.3 | 16.1 | 16.8 | 17.4 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 | 19.7 | 20 0 | 20.2 | 20.4 | 20.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.58

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.8 | 25.3 | 23.9 |
| 15 | 0. | 0. | . | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.4 | 22.7 | 22.4 | 22.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.5 | 22.3 | 21.8 | 21.7 | 21.6 | 21.6 | 21.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 22.4 | 21.4 | 21.0 | 20.9 | 20.9 | 21.0 | 21.1 | 21.2 | 21.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 21.6 | 20.5 | 20.2 | 20.2 | 20.3 | 20.4 | 20.5 | 20.7 | 20.8 | 21.0 | 21.1 |
| 19 | 0. | 0. | 0. | 21.4 | 19.6 | 19.3 | 19.3 | 19.5 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.8 | 21.0 |
| 20 | 0. | 0. | 18.8 | 18.2 | 18.3 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 | 20.9 |
| 21 | 19.2 | 17.0 | 17.0 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 | 19.8 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 |
| 22 | 15.3 | 15.8 | 16.3 | 16.9 | 17.4 | 17.9 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 | 20.9 |
| 23 | 14.4 | 15.2 | 16.0 | 16.7 | 17.3 | 17.8 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 | 20.0 | 20.2 | 20.4 | 20.7 | 20.9 |
| 24 | 14.0 | 15.0 | 15.8 | 16.5 | 17.2 | 17.7 | 18.2 | 18.6 | 19.0 | 19.3 | 19.7 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 25 | 13.7 | 14.8 | 15.7 | 16.4 | 17.1 | 17.7 | 18.1 | 18.6 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 26 | 13.6 | 14.7 | 15.6 | 16.4 | 17.0 | 17.6 | 18.1 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 27 | 13.5 | 14.6 | 15.6 | 16.3 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 28 | 13.5 | 14.6 | 15.5 | 16.3 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.6 | 20.8 |
| 29 | 13.4 | 14.6 | 15.5 | 16.3 | 17.0 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 30 | 13.4 | 14.5 | 15.5 | 16.3 | 17.0 | 17.5 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 31 | 13.4 | 14.5 | 15.5 | 16.3 | 17.0 | 17.5 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 32 | 13.4 | 14.5 | 15.5 | 16.3 | 16.9 | 17.5 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 33 | 13.3 | 14.5 | 15.5 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 34 | 13.3 | 14.5 | 15.4 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 35 | 13.3 | 14.5 | 15.4 | 16.3 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 36 | 13.3 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |
| 37 | 13.3 | 14.5 | 15.4 | 16.2 | 16.9 | 17.5 | 18.0 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.59

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 24.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 | 24.1 | 23.2 | 22.8 | 22.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 22.9 | 22.2 | 22.0 | 21.9 | 21.8 | 21.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.4 | 21.9 | 21.4 | 21.2 | 21.2 | 21.2 | 21.3 | 21.4 | 21.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 22.7 | 21.0 | 20.6 | 20.5 | 20.5 | 20.6 | 20.7 | 20.9 | 21.0 | 21.2 | 21.3 |
| 19 | 0. | 0. | 0. | 23.7 | 20.2 | 19.7 | 19.6 | 19.7 | 19.9 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 | 21.0 | 21.2 |
| 20 | 0. | 0. | 19.6 | 18.6 | 18.6 | 18.8 | 19.0 | 19.3 | 19.6 | 19.9 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 | 21.1 |
| 21 | 26.1 | 17.5 | 17.3 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 | 19.7 | 20.0 | 20.2 | 20.5 | 20.7 | 20.9 | 21.1 |
| 22 | 15.7 | 16.0 | 16.6 | 17.1 | 17.6 | 18.1 | 18.5 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.7 | 20.9 | 21.1 |
| 23 | 14.6 | 15.4 | 16.2 | 16.9 | 17.4 | 18.0 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.1 | 20.4 | 20.6 | 20.8 | 21.0 |
| 24 | 14.2 | 15.1 | 16.0 | 16.7 | 17.3 | 17.9 | 18.4 | 18.8 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.8 | 21.0 |
| 25 | 13.9 | 15.0 | 15.8 | 16.6 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.8 | 21.0 |
| 26 | 13.7 | 14.8 | 15.8 | 16.5 | 17.2 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 27 | 13.6 | 14.8 | 15.7 | 16.5 | 17.2 | 17.7 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 28 | 13.6 | 14.7 | 15.7 | 16.5 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 29 | 13.5 | 14.7 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 30 | 13.5 | 14.7 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 31 | 13.5 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.1 | 20.3 | 20.6 | 20.8 | 21.0 |
| 32 | 13.5 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 33 | 13.5 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 34 | 13.5 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 35 | 13.5 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 36 | 13.4 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |
| 37 | 13.4 | 14.6 | 15.6 | 16.4 | 17.1 | 17.7 | 18.2 | 18.7 | 19.1 | 19.4 | 19.8 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.60

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 25.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.9 | 25.0 | 23.7 | 23.2 | 22.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.5 | 22.7 | 22.3 | 22.2 | 22.1 | 22.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 22.5 | 21.8 | 21.6 | 21.5 | 21.5 | 21.6 | 21.6 | 21.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 24.6 | 21.6 | 21.0 | 20.8 | 20.8 | 20.9 | 21.0 | 21.1 | 21.2 | 21.4 | 21.5 |
| 19 | 0. | 0. | 0. | 0. | 20.9 | 20.1 | 19.9 | 20.0 | 20.1 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.2 | 21.4 |
| 20 | 0. | 0. | 20.8 | 19.1 | 18.9 | 19.0 | 19.3 | 19.5 | 19.8 | 20.1 | 20.3 | 20.5 | 20.7 | 21.0 | 21.1 | 21.3 |
| 21 | 0. | 18.2 | 17.7 | 17.9 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 22 | 16.2 | 16.3 | 16.8 | 17.3 | 17.8 | 18.3 | 18.7 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.8 | 21.0 | 21.2 |
| 23 | 14.9 | 15.7 | 16.4 | 17.0 | 17.6 | 18.1 | 18.6 | 19.0 | 19.4 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.0 | 21.2 |
| 24 | 14.4 | 15.3 | 16.1 | 16.9 | 17.5 | 18.0 | 18.5 | 19.0 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 | 21.2 |
| 25 | 14.1 | 15.1 | 16.0 | 16.8 | 17.4 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 | 21.2 |
| 26 | 13.9 | 15.0 | 15.9 | 16.7 | 17.4 | 17.9 | 18.4 | 18.9 | 19.3 | 19.6 | 20.0 | 20.2 | 20.5 | 20.8 | 21.0 | 21.2 |
| 27 | 13.8 | 14.9 | 15.8 | 16.6 | 17.3 | 17.9 | 18.4 | 18.9 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 28 | 13.7 | 14.9 | 15.8 | 16.6 | 17.3 | 17.9 | 18.4 | 18.8 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 29 | 13.7 | 14.8 | 15.8 | 16.6 | 17.3 | 17.9 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 30 | 13.6 | 14.8 | 15.8 | 16.6 | 17.3 | 17.9 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 31 | 13.6 | 14.8 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 32 | 13.6 | 14.8 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 33 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 34 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 35 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 36 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |
| 37 | 13.6 | 14.7 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.61

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 24.3 | 23.6 | 23.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 24.3 | 23.1 | 22.7 | 22.5 | 22.4 | 22.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 23.1 | 22.2 | 21.9 | 21.8 | 21.8 | 21.8 | 21.9 | 22.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 30.1 | 22.3 | 21.4 | 21.1 | 21.1 | 21.1 | 21.2 | 21.3 | 21.5 | 21.6 | 21.7 |
| 19 | 0. | 0. | 0. | 0. | 21.8 | 20.5 | 20.2 | 20.3 | 20.4 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.4 | 21.6 |
| 20 | 0. | 0. | 23.0 | 19.6 | 19.3 | 19.3 | 19.5 | 19.7 | 20.0 | 20.3 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 |
| 21 | 0. | 19.1 | 18.1 | 18.2 | 18.4 | 18.8 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 22 | 16.9 | 16.7 | 17.1 | 17.6 | 18.0 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 | 21.2 | 21.4 |
| 23 | 15.2 | 15.9 | 16.6 | 17.2 | 17.8 | 18.3 | 18.8 | 19.2 | 19.6 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 |
| 24 | 14.6 | 15.5 | 16.3 | 17.0 | 17.7 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 |
| 25 | 14.2 | 15.3 | 16.2 | 16.9 | 17.6 | 18.1 | 18.6 | 19.1 | 19.5 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 |
| 26 | 14.0 | 15.1 | 16.1 | 16.8 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 |
| 27 | 13.9 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.6 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.4 |
| 28 | 13.8 | 15.0 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 29 | 13.8 | 14.9 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 30 | 13.7 | 14.9 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 31 | 13.7 | 14.9 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 32 | 13.7 | 14.9 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 33 | 13.7 | 14.9 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 34 | 13.7 | 14.9 | 15.8 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 35 | 13.7 | 14.9 | 15.8 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 36 | 13.7 | 14.9 | 15.8 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |
| 37 | 13.7 | 14.9 | 15.8 | 16.7 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.8 | 20.1 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.62

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 25.0 | 24.0 | 23.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.7 | 23.1 | 22.8 | 22.7 | 22.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.0 | 22.7 | 22.2 | 22.1 | 22.0 | 22.0 | 22.1 | 22.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 21.8 | 21.4 | 21.3 | 21.4 | 21.4 | 21.5 | 21.7 | 21.8 | 21.9 |
| 19 | 0. | 0. | 0. | 0. | 23.0 | 21.0 | 20.6 | 20.5 | 20.6 | 20.8 | 20.9 | 21.1 | 21.3 | 21.5 | 21.6 | 21.8 |
| 20 | 0. | 0. | 0. | 20.3 | 19.6 | 19.6 | 19.8 | 20.0 | 20.2 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 |
| 21 | 0. | 20.5 | 18.6 | 18.5 | 18.7 | 19.0 | 19.3 | 19.7 | 20.0 | 20.3 | 20.5 | 20.8 | 21.0 | 21.2 | 21.5 | 21.6 |
| 22 | 17.7 | 17.0 | 17.3 | 17.8 | 18.2 | 18.7 | 19.1 | 19.5 | 19.8 | 20.2 | 20.4 | 20.7 | 21.0 | 21.2 | 21.4 | 21.6 |
| 23 | 15.5 | 16.1 | 16.8 | 17.4 | 18.0 | 18.5 | 19.0 | 19.4 | 19.7 | 20.1 | 20.4 | 20.7 | 20.9 | 21.2 | 21.4 | 21.6 |
| 24 | 14.8 | 15.7 | 16.5 | 17.2 | 17.8 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 |
| 25 | 14.4 | 15.4 | 16.3 | 17.1 | 17.7 | 18.3 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.3 | 21.5 |
| 26 | 14.2 | 15.3 | 16.2 | 17.0 | 17.7 | 18.2 | 18.8 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.3 | 21.5 |
| 27 | 14.0 | 15.2 | 16.1 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 28 | 14.0 | 15.1 | 16.1 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 29 | 13.9 | 15.1 | 16.0 | 16.9 | 17.6 | 18.2 | 18.7 | 19.2 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 30 | 13.9 | 15.0 | 16.0 | 16.8 | 17.5 | 18.2 | 18.7 | 19.1 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 31 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 32 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.6 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | [illegible] |
| 33 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | [illegible] |
| 34 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 35 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.6 | 20.8 | 21.1 | 21.3 | 21.5 |
| 36 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.5 |
| 37 | 13.8 | 15.0 | 16.0 | 16.8 | 17.5 | 18.1 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.63

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 25.8 | 24.5 | 24.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 24.3 | 23.5 | 23.1 | 23.0 | 22.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 | 23.2 | 22.6 | 22.4 | 22.3 | 22.3 | 22.3 | 22.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 24.4 | 22.4 | 21.8 | 21.6 | 21.6 | 21.7 | 21.8 | 21.9 | 22.0 | 22.1 |
| 19 | 0. | 0. | 0. | 0. | 25.2 | 21.6 | 21.0 | 20.8 | 20.9 | 21.0 | 21.1 | 21.3 | 21.5 | 21.7 | 21.8 | 22.0 |
| 20 | 0. | 0. | 0. | 21.1 | 20.0 | 19.9 | 20.0 | 20.2 | 20.4 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 |
| 21 | 0. | 23.4 | 19.1 | 18.8 | 19.0 | 19.2 | 19.5 | 19.9 | 20.2 | 20.5 | 20.7 | 21.0 | 21.2 | 21.4 | 21.6 | 21.8 |
| 22 | 18.9 | 17.5 | 17.6 | 18.0 | 18.4 | 18.9 | 19.3 | 19.7 | 20.0 | 20.3 | 20.6 | 20.9 | 21.1 | 21.4 | 21.6 | 21.8 |
| 23 | 15.8 | 16.4 | 17.0 | 17.6 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 |
| 24 | 15.0 | 15.9 | 16.7 | 17.4 | 18.0 | 18.5 | [illegible] | 19.5 | 19.8 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.5 | 21.7 |
| 25 | 14.6 | 15.6 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.4 | 19.8 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 | 21.5 | 21.7 |
| 26 | 14.3 | 15.4 | 16.4 | 17.1 | 17.8 | 18.4 | 18.9 | 19.4 | 19.8 | 20.1 | 20.5 | 20.8 | 21.0 | 21.3 | 21.5 | 21.7 |
| 27 | 14.2 | 15.3 | 16.3 | 17.1 | 17.8 | 18.4 | 18.9 | 19.3 | 19.8 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.7 |
| 28 | 14.1 | 15.3 | 16.2 | 17.0 | 17.7 | 18.3 | 18.9 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.7 |
| 29 | 14.0 | 15.2 | 16.2 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.7 |
| 30 | 14.0 | 15.2 | 16.2 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 31 | 14.0 | 15.1 | 16.1 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 32 | 13.9 | 15.1 | 16.1 | 17.0 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 33 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 34 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 35 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 36 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |
| 37 | 13.9 | 15.1 | 16.1 | 16.9 | 17.7 | 18.3 | 18.8 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 |

37 15.9 15.1 16.1 16.9 17.7 18.5 18.8 19.3 19.7 20.1 20.4 20.7 21.0 21.2 21.5 21.7

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.64

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 25.1 | 24.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 25.0 | 23.9 | 23.5 | 23.3 | 23.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.8 | 23.8 | 23.0 | 22.7 | 22.6 | 22.5 | 22.6 | 22.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.0 | 22.2 | 21.9 | 21.9 | 21.9 | 22.0 | 22.1 | 22.2 | 22.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 22.3 | 21.4 | 21.1 | 21.1 | 21.2 | 21.4 | 21.5 | 21.7 | 21.9 | 22.0 | 22.2 |
| 20 | 0. | 0. | 0. | 22.2 | 20.5 | 20.2 | 20.3 | [illegible] | 20.6 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 |
| 21 | 0. | 0. | 19.7 | 19.2 | 19.2 | 19.5 | 19.8 | 20.1 | 20.4 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.8 | 22.0 |
| 22 | 21.1 | 17.9 | 17.9 | 18.2 | 18.7 | 19.1 | 19.5 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 |
| 23 | 16.2 | 16.6 | 17.2 | 17.8 | 18.4 | 18.9 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.7 | 21.9 |
| 24 | 15.2 | 16.1 | 16.9 | 17.5 | 18.2 | 18.7 | 19.2 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 | 21.9 |
| 25 | 14.7 | 15.8 | 16.6 | 17.4 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.3 | 20.7 | 20.9 | 21.2 | 21.5 | 21.7 | 21.9 |
| 26 | 14.5 | 15.6 | 16.5 | 17.3 | 18.0 | 18.6 | 19.1 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 |
| 27 | 14.3 | 15.5 | 16.4 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 |
| 28 | 14.2 | 15.4 | 16.4 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 |
| 29 | 14.2 | 15.3 | 16.3 | 17.1 | 17.8 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 |
| 30 | 14.1 | 15.3 | 16.3 | 17.1 | 17.8 | 18.4 | 19.0 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 31 | 14.1 | 15.3 | 16.3 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 32 | 14.1 | 15.3 | 16.3 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 33 | 14.0 | 15.2 | 16.2 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 34 | 14.0 | 15.2 | 16.2 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 35 | 14.0 | 15.2 | 16.2 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 36 | 14.0 | 15.2 | 16.2 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |
| 37 | 14.0 | 15.2 | 16.2 | 17.1 | 17.8 | 18.4 | 19.0 | 19.4 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.6 | 21.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.65

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.4 | 25.8 | 24.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 24.4 | 23.9 | 23.6 | 23.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 24.6 | 23.5 | 23.0 | 22.9 | 22.8 | 22.8 | 22.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 23.7 | 22.6 | 22.3 | 22.2 | 22.2 | 22.2 | 22.3 | 22.4 | 22.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 23.2 | 21.8 | 21.5 | 21.4 | 21.5 | 21.6 | 21.7 | 21.9 | 22.1 | 22.2 | 22.4 |
| 20 | 0. | 0. | 0. | 23.9 | 21.0 | 20.6 | 20.5 | 20.7 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 |
| 21 | 0. | 0. | 20.5 | 19.5 | 19.5 | 19.7 | 20.0 | 20.3 | 20.6 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 | 22.2 |
| 22 | 0. | 18.5 | 18.2 | 18.5 | 18.9 | 19.3 | 19.7 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 |
| 23 | 16.7 | 16.9 | 17.4 | 18.0 | 18.5 | 19.0 | 19.5 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 | 22.1 |
| 24 | 15.5 | 16.3 | 17.0 | 17.7 | 18.3 | 18.9 | 19.4 | 19.8 | 20.2 | 20.5 | 20.9 | 21.1 | 21.4 | 21.7 | 21.9 | 22.1 |
| 25 | 14.9 | 15.9 | 16.8 | 17.6 | 18.2 | 18.8 | 19.3 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 |
| 26 | 14.6 | 15.7 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.6 | 21.8 | 22.1 |
| 27 | 14.5 | 15.6 | 16.6 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.6 | 21.8 | 22.0 |
| 28 | 14.4 | 15.5 | 16.5 | 17.3 | 18.0 | 18.6 | 19.2 | 19.6 | 20.1 | 20.4 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 |
| 29 | 14.3 | 15.5 | 16.5 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 |
| 30 | 14.2 | 15.4 | 16.4 | 17.3 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 |
| 31 | 14.2 | 15.4 | 16.4 | 17.2 | 18.0 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 32 | 14.2 | 15.4 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 33 | 14.1 | 15.4 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 34 | 14.1 | 15.4 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 35 | 14.1 | 15.3 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 36 | 14.1 | 15.3 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |
| 37 | 14.1 | 15.3 | 16.4 | 17.2 | 17.9 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.66

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 26.5 | 25.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 25.0 | 24.3 | 23.9 | 23.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 24.0 | 23.4 | 23.2 | 23.1 | 23.1 | 23.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 23.1 | 22.6 | 22.4 | 22.4 | 22.5 | 22.5 | 22.6 | 22.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 24.4 | 22.3 | 21.8 | 21.7 | 21.7 | 21.8 | 22.0 | 22.1 | 22.3 | 22.4 | 22.6 |
| 20 | 0. | 0. | 0. | 29.3 | 21.6 | 20.9 | 20.8 | 20.9 | 21.1 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.4 |
| 21 | 0. | 0. | 21.6 | 20.0 | 19.8 | 20.0 | 20.2 | 20.5 | 20.8 | 21.0 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 | 22.4 |
| 22 | 0. | 19.2 | 18.6 | 18.8 | 19.1 | 19.5 | 19.9 | 20.2 | 20.6 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 | 22.1 | 22.3 |
| 23 | 17.2 | 17.2 | 17.7 | 18.2 | 18.7 | 19.2 | 19.7 | 20.1 | 20.4 | 20.8 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 | 22.3 |
| 24 | 15.7 | 16.5 | 17.2 | 17.9 | 18.5 | 19.0 | 19.5 | 20.0 | 20.4 | 20.7 | 21.0 | 21.3 | 21.5 | 21.8 | 22.0 | 22.3 |
| 25 | 15.1 | 16.1 | 17.0 | 17.7 | 18.4 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.0 | 22.2 |
| 26 | 14.8 | 15.9 | 16.8 | 17.6 | 18.3 | 18.9 | 19.4 | 19.8 | 20.3 | 20.6 | 21.0 | 21.3 | 21.5 | 21.8 | 22.0 | 22.2 |
| 27 | 14.6 | 15.7 | 16.7 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 |
| 28 | 14.5 | 15.7 | 16.6 | 17.5 | 18.2 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 |
| 29 | 14.4 | 15.6 | 16.6 | 17.4 | 18.1 | 18.8 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 |
| 30 | 14.3 | 15.6 | 16.6 | 17.4 | 18.1 | 18.7 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 |
| 31 | 14.3 | 15.5 | 16.5 | 17.4 | 18.1 | 18.7 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 32 | 14.3 | 15.5 | 16.5 | 17.4 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 33 | 14.3 | 15.5 | 16.5 | 17.4 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 34 | 14.2 | 15.5 | 16.5 | 17.3 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 35 | 14.2 | 15.5 | 16.5 | 17.3 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 36 | 14.2 | 15.5 | 16.5 | 17.3 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |
| 37 | 14.2 | 15.5 | 16.5 | 17.3 | 18.1 | 18.7 | 19.3 | 19.7 | 20.2 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.67

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 25.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 25.7 | 24.7 | 24.2 | 24.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 24.5 | 23.8 | 23.5 | 23.3 | 23.3 | 23.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.8 | 23.6 | 23.0 | 22.7 | 22.7 | 22.7 | 22.8 | 22.9 | 23.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 26.3 | 22.9 | 22.2 | 22.0 | 22.0 | 22.0 | 22.2 | 22.3 | 22.5 | 22.6 | 22.8 |
| 20 | 0. | 0. | 0. | 0. | 22.4 | 21.3 | 21.1 | 21.2 | 21.3 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.6 |
| 21 | 0. | 0. | 23.4 | 20.5 | 20.1 | 20.2 | 20.4 | 20.7 | 21.0 | 21.2 | 21.5 | 21.7 | 21.9 | 22.2 | 22.4 | 22.5 |
| 22 | 0. | 20.1 | 19.0 | 19.0 | 19.3 | 19.7 | 20.1 | 20.4 | 20.7 | 21.0 | 21.3 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 |
| 23 | 17.9 | 17.5 | 17.9 | 18.4 | 18.9 | 19.4 | 19.8 | 20.2 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.2 | 22.5 |
| 24 | 16.0 | 16.7 | 17.4 | 18.1 | 18.7 | 19.2 | 19.7 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.7 | 22.0 | 22.2 | 22.4 |
| 25 | 15.3 | 16.3 | 17.1 | 17.9 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.2 | 22.4 |
| 26 | 15.0 | 16.0 | 17.0 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 27 | 14.7 | 15.9 | 16.8 | 17.7 | 18.4 | 19.0 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 28 | 14.6 | 15.8 | 16.8 | 17.6 | 18.3 | 18.9 | 19.5 | 19.9 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 29 | 14.5 | 15.7 | 16.7 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.4 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 30 | 14.5 | 15.7 | 16.7 | 17.5 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.4 |
| 31 | 14.4 | 15.6 | 16.7 | 17.5 | 18.2 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.1 | 22.4 |
| 32 | 14.4 | 15.6 | 16.6 | 17.5 | 18.2 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.1 | 22.4 |
| 33 | 14.4 | 15.6 | 16.6 | 17.5 | 18.2 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 21.9 | 22.1 | 22.4 |
| 34 | 14.4 | 15.6 | 16.6 | 17.5 | 18.2 | 18.8 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 | 22.4 |
| 35 | 14.5 | 15.6 | 16.6 | 17.5 | 18.2 | 18.8 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 | 22.4 |
| 36 | 14.3 | 15.6 | 16.6 | 17.5 | 18.2 | 18.8 | 19.4 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.6 | 21.9 | 22.1 | 22.4 |
| 37 | 14.5 | 15.6 | 16.6 | 17.5 | 18.2 | 18.8 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.6 | 21.9 | 22.1 | 22.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.68

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 26.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.9 | 26.4 | 25.2 | 24.6 | 24.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 25.2 | 24.2 | 23.8 | 23.6 | 23.6 | 23.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 24.2 | 23.4 | 23.1 | 22.9 | 22.9 | 23.0 | 23.1 | 23.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 32.3 | 23.6 | 22.6 | 22.3 | 22.2 | 22.3 | 22.4 | 22.5 | 22.7 | 22.8 | 22.9 |
| 20 | 0. | 0. | 0. | 0. | 23.4 | 21.8 | 21.4 | 21.4 | 21.5 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.6 | 22.8 |
| 21 | 0. | 0. | 28.2 | 21.1 | 20.5 | 20.5 | 20.7 | 20.9 | 21.2 | 21.4 | 21.7 | 21.9 | 22.1 | 22.3 | 22.5 | 22.7 |
| 22 | 0. | 21.4 | 19.4 | 19.3 | 19.6 | 19.9 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 | 22.7 |
| 23 | 18.7 | 17.9 | 18.2 | 18.6 | 19.1 | 19.6 | 20.0 | 20.4 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.2 | 22.4 | 22.6 |
| 24 | 16.3 | 16.9 | 17.6 | 18.3 | 18.9 | 19.4 | 19.9 | 20.3 | 20.7 | 21.0 | 21.4 | 21.6 | 21.9 | 22.2 | 22.4 | 22.6 |
| 25 | 15.5 | 16.5 | 17.3 | 18.0 | 18.7 | 19.3 | 19.8 | 20.2 | 20.6 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 | 22.4 | 22.6 |
| 26 | 15.1 | 16.2 | 17.1 | 17.9 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.1 | 22.3 | 22.6 |
| 27 | 14.9 | 16.0 | 17.0 | 17.8 | 18.5 | 19.1 | 19.7 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.8 | 22.1 | 22.3 | 22.6 |
| 28 | 14.7 | 15.9 | 16.9 | 17.7 | 18.5 | 19.1 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 |
| 29 | 14.6 | 15.9 | 16.9 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 30 | 14.6 | 15.8 | 16.8 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 31 | 14.5 | 15.8 | 16.8 | 17.6 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 32 | 14.5 | 15.7 | 16.8 | 17.6 | 18.4 | 19.0 | 19.6 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 33 | 14.5 | 15.7 | 16.8 | 17.6 | 18.4 | 19.0 | 19.6 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 34 | 14.5 | 15.7 | 16.7 | 17.6 | 18.4 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 35 | 14.5 | 15.7 | 16.7 | 17.6 | 18.3 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 36 | 14.4 | 15.7 | 16.7 | 17.6 | 18.3 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |
| 37 | 14.4 | 15.7 | 16.7 | 17.6 | 18.3 | 19.0 | 19.5 | 20.0 | 20.5 | 20.9 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.69

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 27.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 25.7 | 25.0 | 24.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.2 | 25.9 | 24.7 | 24.2 | 23.9 | 23.8 | 23.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.4 | 25.0 | 23.8 | 23.4 | 23.2 | 23.2 | 23.2 | 23.3 | 23.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 24.4 | 23.0 | 22.6 | 22.5 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 23.1 |
| 20 | 0. | 0. | 0. | 0. | 24.7 | 22.3 | 21.8 | 21.7 | 21.8 | 21.9 | 22.1 | 22.3 | 22.5 | 22.6 | 22.8 | 23.0 |
| 21 | 0. | 0. | 0. | 21.8 | 20.9 | 20.8 | 20.9 | 21.1 | 21.4 | 21.6 | 21.8 | 22.1 | 22.3 | 22.5 | 22.7 | 22.9 |
| 22 | 0. | 23.9 | 19.9 | 19.6 | 19.8 | 20.1 | 20.5 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.2 | 22.4 | 22.6 | 22.8 |
| 23 | 19.9 | 18.3 | 18.5 | 18.9 | 19.3 | 19.8 | 20.2 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.1 | 22.4 | 22.6 | 22.8 |
| 24 | 16.7 | 17.2 | 17.8 | 18.4 | 19.0 | 19.6 | 20.0 | 20.5 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.3 | 22.6 | 22.8 |
| 25 | 15.7 | 16.7 | 17.5 | 18.2 | 18.8 | 19.4 | 19.9 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 | 22.7 |
| 26 | 15.3 | 16.4 | 17.3 | 18.1 | 18.7 | 19.3 | 19.9 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 | 22.7 |
| 27 | 15.0 | 16.2 | 17.1 | 18.0 | 18.7 | 19.3 | 19.8 | 20.3 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 | 22.7 |
| 28 | 14.9 | 16.1 | 17.0 | 17.9 | 18.6 | 19.2 | 19.8 | 20.2 | 20.7 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.5 | 22.7 |
| 29 | 14.8 | 16.0 | 17.0 | 17.8 | 18.6 | 19.2 | 19.7 | 20.2 | 20.7 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 30 | 14.7 | 15.9 | 16.9 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 31 | 14.7 | 15.9 | 16.9 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 32 | 14.6 | 15.9 | 16.9 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 33 | 14.6 | 15.8 | 16.9 | 17.7 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 34 | 14.6 | 15.8 | 16.9 | 17.7 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 35 | 14.6 | 15.8 | 16.9 | 17.7 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 36 | 14.6 | 15.8 | 16.9 | 17.7 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |
| 37 | 14.5 | 15.8 | 16.9 | 17.7 | 18.5 | 19.1 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.70

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 26.3 | 25.4 | 25.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 25.2 | 24.5 | 24.2 | 24.1 | 24.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.9 | 24.3 | 23.7 | 23 | 23.4 | 23.5 | 23.5 | 23.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 23.5 | 23.0 | 22.8 | 22.8 | 22.8 | 22.9 | 23.1 | 23.2 | 23.3 |
| 20 | 0. | 0. | 0. | 0. | 27.2 | 22.9 | 22.1 | 22.0 | 22.0 | 22.1 | 22.3 | 22.5 | 22.7 | 22.8 | 23.0 | 23.2 |
| 21 | 0. | 0. | 0. | 22.7 | 21.3 | 21.1 | 21.1 | 21.3 | 21.6 | 21.8 | 22.0 | 22.3 | 22.5 | 22.7 | 22.9 | 23.1 |
| 22 | 0. | 0. | 20.5 | 20.0 | 20.1 | 20.3 | 20.7 | 21.0 | 21.3 | 21.6 | 21.9 | 22.1 | 22.4 | 22.6 | 22.8 | 23.0 |
| 23 | 22.2 | 18.8 | 18.7 | 19.1 | 19.5 | 20.0 | 20.4 | 20.8 | 21.1 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 |
| 24 | 17.1 | 17.4 | 18.0 | 18.6 | 19.2 | 19.7 | 20.2 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.2 | 22.5 | 22.7 | 22.9 |
| 25 | 16.0 | 16.8 | 17.7 | 18.4 | 19.0 | 19.6 | 20.1 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 | 22.9 |
| 26 | 15.5 | 16.5 | 17.4 | 18.2 | 18.9 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 | 22.9 |
| 27 | 15.2 | 16.3 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.4 | 20.9 | 21.2 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 | 22.9 |
| 28 | 15.0 | 16.2 | 17.2 | 18.0 | 18.7 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.4 | 22.7 | 22.9 |
| 29 | 14.9 | 16.1 | 17.1 | 18.0 | 18.7 | 19.3 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.1 | 22.4 | 22.7 | 22.9 |
| 30 | 14.8 | 16.1 | 17.1 | 17.9 | 18.7 | 19.3 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.1 | 22.4 | 22.6 | 22.9 |
| 31 | 14.8 | 16.0 | 17.0 | 17.9 | 18.7 | 19.3 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 32 | 14.7 | 16.0 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 33 | 14.7 | 16.0 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 34 | 14.7 | 15.9 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 35 | 14.7 | 15.9 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 36 | 14.7 | 15.9 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |
| 37 | 14.7 | 15.9 | 17.0 | 17.9 | 18.6 | 19.3 | 19.8 | 20.3 | 20.8 | 21.2 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.71

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 27.0 | 25.8 | 25.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 25.7 | 24.9 | 24.5 | 24.4 | 24.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.8 | 24.1 | 23.8 | 23.7 | 23.7 | 23.7 | 23.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.1 | 23.3 | 23.1 | 23.0 | 23.1 | 23.2 | 23.3 | 23.4 | 23.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 23.5 | 22.5 | 22.3 | 22.3 | 22.4 | 22.5 | 22.7 | 22.9 | 23.0 | 23.2 | 23.4 |
| 21 | 0. | 0. | 0. | 23.9 | 21.7 | 21.4 | 21.4 | 21.6 | 21.8 | 22.0 | 22.2 | 22.4 | 22.7 | 22.9 | 23.1 | 23.3 |
| 22 | 0. | 0. | 21.2 | 20.3 | 20.3 | 20.6 | 20.9 | 21.2 | 21.5 | 21.8 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 | 23.2 |
| 23 | 0. | 19.3 | 19.1 | 19.3 | 19.7 | 20.1 | 20.6 | 20.9 | 21.3 | 21.6 | 21.9 | 22.2 | 22.5 | 22.7 | 22.9 | 23.1 |
| 24 | 17.5 | 17.7 | 18.2 | 18.8 | 19.4 | 19.9 | 20.4 | 20.8 | 21.2 | 21.5 | 21.9 | 22.1 | 22.4 | 22.7 | 22.9 | 23.1 |
| 25 | 16.2 | 17.0 | 17.8 | 18.5 | 19.2 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 | 23.1 |
| 26 | 15.7 | 16.7 | 17.6 | 18.4 | 19.0 | 19.6 | 20.2 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 | 22.6 | 22.8 | 23.1 |
| 27 | 15.4 | 16.5 | 17.4 | 18.2 | 19.0 | 19.6 | 20.1 | 20.6 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 28 | 15.1 | 16.3 | 17.3 | 18.2 | 18.9 | 19.5 | 20.1 | 20.5 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 29 | 15.0 | 16.2 | 17.3 | 18.1 | 18.8 | 19.5 | 20.0 | 20.5 | 21.0 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 30 | 14.9 | 16.2 | 17.2 | 18.1 | 18.8 | 19.5 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 31 | 14.9 | 16.1 | 17.2 | 18.0 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 32 | 14.8 | 16.1 | 17.1 | 18.0 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 33 | 14.8 | 16.1 | 17.1 | 18.0 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 34 | 14.8 | 16.1 | 17.1 | 18.0 | 18.8 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 35 | 14.8 | 16.1 | 17.1 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 36 | 14.8 | 16.0 | 17.1 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |
| 37 | 14.8 | 16.0 | 17.1 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.72

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.6 | 27.8 | 26.3 | 25.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 26.4 | 25.3 | 24.9 | 24.6 | 24.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 25.4 | 24.5 | 24.1 | 24.0 | 23.9 | 24.0 | 24.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 24.7 | 23.7 | 23.4 | 23.3 | 23.3 | 23.4 | 23.5 | 23.6 | 23.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 24.4 | 23.0 | 22.6 | 22.5 | 22.6 | 22.7 | 22.9 | 23.0 | 23.2 | 23.4 | 23.5 |
| 21 | 0. | 0. | 0. | 26.0 | 22.3 | 21.7 | 21.7 | 21.8 | 22.0 | 22.2 | 22.4 | 22.6 | 22.8 | 23.1 | 23.2 | 23.4 |
| 22 | 0. | 0. | 22.2 | 20.7 | 20.6 | 20.8 | 21.1 | 21.4 | 21.7 | 21.9 | 22.2 | 22.5 | 22.7 | 22.9 | 23.2 | 23.4 |
| 23 | 0. | 20.0 | 19.4 | 19.6 | 19.9 | 20.3 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.6 | 22.9 | 23.1 | 23.3 |
| 24 | 18.0 | 18.0 | 18.5 | 19.0 | 19.6 | 20.1 | 20.5 | 21.0 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.8 | 23.1 | 23.3 |
| 25 | 16.5 | 17.3 | 18.0 | 18.7 | 19.3 | 19.9 | 20.4 | 20.9 | 21.3 | 21.6 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 | 23.2 |
| 26 | 15.8 | 16.9 | 17.7 | 18.5 | 19.2 | 19.8 | 20.3 | 20.8 | 21.2 | 21.6 | 21.9 | 22.2 | 22.5 | 22.8 | 23.0 | 23.2 |
| 27 | 15.5 | 16.6 | 17.6 | 18.4 | 19.1 | 19.7 | 20.3 | 20.7 | 21.2 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.0 | 23.2 |
| 28 | 15.3 | 16.5 | 17.5 | 18.3 | 19.0 | 19.7 | 20.2 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 |
| 29 | 15.2 | 16.4 | 17.4 | 18.2 | 19.0 | 19.6 | 20.2 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 |
| 30 | 15.1 | 16.3 | 17.3 | 18.2 | 19.0 | 19.6 | 20.2 | 20.7 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 |
| 31 | 15.0 | 16.3 | 17.3 | 18.2 | 18.9 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 |
| 32 | 15.0 | 16.2 | 17.3 | 18.2 | 18.9 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.4 | 22.7 | 23.0 | 23.2 |
| 33 | 14.9 | 16.2 | 17.3 | 18.1 | 18.9 | 19.6 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.4 | 22.7 | 23.0 | 23.2 |
| 34 | 14.9 | 16.2 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.2 | 22.4 | 22.7 | 23.0 | 23.2 |
| 35 | 14.9 | 16.2 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 36 | 14.9 | 16.2 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 37 | 14.9 | 16.2 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 38 | 14.9 | 16.1 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |
| 39 | 14.9 | 16.1 | 17.2 | 18.1 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.73

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 26.9 | 26.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.1 | 27.1 | 25.8 | 25.2 | 24.9 | 24.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 26.1 | 24.9 | 24.4 | 24.2 | 24.2 | 24.2 | 24.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 24.1 | 23.7 | 23.5 | 23.5 | 23.6 | 23.7 | 23.8 | 23.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 25.5 | 23.4 | 22.9 | 22.8 | 22.8 | 22.9 | 23.1 | 23.2 | 23.4 | 23.6 | 23.7 |
| 21 | 0. | 0. | 0. | 33.5 | 22.9 | 22.1 | 21.9 | 22.0 | 22.2 | 22.4 | 22.6 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 |
| 22 | 0. | 0. | 23.5 | 21.2 | 20.9 | 21.0 | 21.3 | 21.6 | 21.8 | 22.1 | 22.4 | 22.7 | 22.9 | 23.1 | 23.3 | 23.5 |
| 23 | 0. | 20.8 | 19.8 | 19.8 | 20.2 | 20.5 | 20.9 | 21.3 | 21.6 | 22.0 | 22.3 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 24 | 18.7 | 18.3 | 18.7 | 19.2 | 19.8 | 20.2 | 20.7 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.7 | 23.0 | 23.2 | 23.4 |
| 25 | 16.8 | 17.5 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.0 | 21.4 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 | 23.4 |
| 26 | 16.0 | 17.0 | 17.9 | 18.7 | 19.3 | 19.9 | 20.5 | 20.9 | 21.4 | 21.7 | 22.1 | 22.4 | 22.7 | 22.9 | 23.2 | 23.4 |
| 27 | 15.7 | 16.8 | 17.7 | 18.5 | 19.2 | 19.9 | 20.4 | 20.9 | 21.3 | 21.7 | 22.0 | 22.4 | 22.7 | 22.9 | 23.2 | 23.4 |
| 28 | 15.4 | 16.6 | 17.6 | 18.4 | 19.2 | 19.8 | 20.4 | 20.8 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 |
| 29 | 15.3 | 16.5 | 17.5 | 18.4 | 19.1 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 |
| 30 | 15.2 | 16.4 | 17.5 | 18.3 | 19.1 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 |
| 31 | 15.1 | 16.4 | 17.4 | 18.3 | 19.1 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 |
| 32 | 15.1 | 16.3 | 17.4 | 18.3 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 33 | 15.0 | 16.3 | 17.4 | 18.3 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 34 | 15.0 | 16.3 | 17.4 | 18.3 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 35 | 15.0 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 36 | 15.0 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 37 | 15.0 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.2 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 38 | 15.0 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.2 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |
| 39 | 15.0 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.2 | 20.8 | 21.2 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.74

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 27.5 | 26.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 26.3 | 25.6 | 25.2 | 25.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 25.4 | 24.8 | 24.5 | 24.4 | 24.4 | 24.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 24.6 | 24.0 | 23.8 | 23.8 | 23.8 | 23.9 | 24.0 | 24.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 27.1 | 24.0 | 23.3 | 23.1 | 23.1 | 23.2 | 23.3 | 23.4 | 23.6 | 23.8 | 23.9 |
| 21 | 0. | 0. | 0. | 0. | 23.6 | 22.5 | 22.2 | 22.3 | 22.4 | 22.6 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 |
| 22 | 0. | 0. | 25.8 | 21.7 | 21.2 | 21.3 | 21.5 | 21.8 | 22.0 | 22.3 | 22.6 | 22.8 | 23.1 | 23.3 | 23.5 | 23.7 |
| 23 | 0. | 21.9 | 20.2 | 20.1 | 20.4 | 20.7 | 21.1 | 21.5 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.2 | 23.4 | 23.6 |
| 24 | 19.5 | 18.7 | 19.0 | 19.4 | 19.9 | 20.4 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.6 |
| 25 | 17.1 | 17.7 | 18.4 | 19.1 | 19.7 | 20.2 | 20.7 | 21.2 | 21.6 | 21.9 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 | 23.6 |
| 26 | 16.2 | 17.2 | 18.1 | 18.8 | 19.5 | 20.1 | 20.6 | 21.1 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.6 |
| 27 | 15.8 | 16.9 | 17.9 | 18.7 | 19.4 | 20.0 | 20.6 | 21.0 | 21.5 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.5 |
| 28 | 15.6 | 16.8 | 17.7 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.5 |
| 29 | 15.4 | 16.6 | 17.7 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 30 | 15.3 | 16.6 | 17.6 | 18.5 | 19.2 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 31 | 15.2 | 16.5 | 17.6 | 18.4 | 19.2 | 19.9 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 32 | 15.2 | 16.5 | 17.5 | 18.4 | 19.2 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 33 | 15.1 | 16.4 | 17.5 | 18.4 | 19.2 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 34 | 15.1 | 16.4 | 17.5 | 18.4 | 19.2 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 35 | 15.1 | 16.4 | 17.5 | 18.4 | 19.1 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 36 | 15.1 | 16.4 | 17.5 | 18.4 | 19.1 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 37 | 15.1 | 16.4 | 17.5 | 18.4 | 19.1 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 38 | 15.1 | 16.4 | 17.5 | 18.4 | 19.1 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 |
| 39 | 15.1 | 16.4 | 17.4 | 18.4 | 19.1 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.1 | 22.5 | 22.7 | 23.0 | 23.3 | 23.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.75

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.1 | 28.2 | 27.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.4 | 26.9 | 26.0 | 25.5 | 25.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 25.9 | 25.1 | 24.8 | 24.7 | 24.6 | 24.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.8 | 25.1 | 24.1 | 24.1 | 24.0 | 24.0 | 24.1 | 24.2 | 24.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 30.6 | 24.6 | 23.6 | 23.4 | 23.3 | 23.4 | 23.5 | 23.6 | 23.8 | 23.9 | 24.1 |
| 21 | 0. | 0. | 0. | 0. | 24.6 | 22.9 | 22.5 | 22.5 | 22.6 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 | 24.0 |
| 22 | 0. | 0. | 0. | 22.3 | 21.6 | 21.6 | 21.7 | 22.0 | 22.2 | 22.5 | 22.8 | 23.0 | 23.2 | 23.5 | 23.7 | 23.9 |
| 23 | 0. | 23.7 | 20.6 | 20.4 | 20.6 | 20.9 | 21.3 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.1 | 23.4 | 23.6 | 23.8 |
| 24 | 20.6 | 19.1 | 19.2 | 19.6 | 20.1 | 20.6 | 21.0 | 21.5 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 25 | 17.4 | 17.9 | 18.6 | 19.2 | 19.8 | 20.4 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 | 23.5 | 23.7 |
| 26 | 16.5 | 17.4 | 18.2 | 19.0 | 19.7 | 20.3 | 20.8 | 21.2 | 21.7 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.5 | 23.7 |
| 27 | 16.0 | 17.1 | 18.0 | 18.8 | 19.5 | 20.2 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.2 | 23.5 | 23.7 |
| 28 | 15.7 | 16.9 | 17.9 | 18.7 | 19.5 | 20.1 | 20.7 | 21.1 | 21.6 | 22.0 | 22.3 | 22.7 | 22.9 | 23.2 | 23.5 | 23.7 |
| 29 | 15.5 | 16.8 | 17.8 | 18.7 | 19.4 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 |
| 30 | 15.4 | 16.7 | 17.7 | 18.6 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 31 | 15.3 | 16.6 | 17.7 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 32 | 15.3 | 16.6 | 17.6 | 18.5 | 19.3 | 20.0 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 33 | 15.3 | 16.5 | 17.6 | 18.5 | 19.3 | 20.0 | 20.5 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 34 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 20.0 | 20.5 | 21.1 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 35 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 36 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 37 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 38 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |
| 39 | 15.2 | 16.5 | 17.6 | 18.5 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.76

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 27.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 27.5 | 26.4 | 25.9 | 25.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 26.5 | 25.5 | 25.1 | 25.0 | 24.9 | 24.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 25.7 | 24.8 | 24.4 | 24.3 | 24.3 | 24.3 | 24.4 | 24.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 25.3 | 24.0 | 23.7 | 23.6 | 23.6 | 23.7 | 23.8 | 24.0 | 24.1 | 24.3 |
| 21 | 0. | 0. | 0. | 0. | 25.9 | 23.4 | 22.8 | 22.8 | 22.8 | 23.0 | 23.2 | 23.4 | 23.6 | 23.8 | 24.0 | 24.1 |
| 22 | 0. | 0. | 0. | 23.0 | 22.0 | 21.8 | 22.0 | 22.2 | 22.4 | 22.7 | 22.9 | 23.2 | 23.4 | 23.6 | 23.8 | 24.0 |
| 23 | 0. | 28.6 | 21.1 | 20.7 | 20.9 | 21.2 | 21.5 | 21.8 | 22.2 | 22.5 | 22.8 | 23.0 | 23.3 | 23.5 | 23.8 | 24.0 |
| 24 | 22.5 | 19.5 | 19.5 | 19.9 | 20.3 | 20.8 | 21.2 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.2 | 23.5 | 23.7 | 23.9 |
| 25 | 17.8 | 18.2 | 18.8 | 19.4 | 20.0 | 20.6 | 21.0 | 21.5 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.4 | 23.7 | 23.9 |
| 26 | 16.7 | 17.6 | 18.4 | 19.2 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.5 | 22.9 | 23.1 | 23.4 | 23.7 | 23.9 |
| 27 | 16.2 | 17.2 | 18.2 | 19.0 | 19.7 | 20.3 | 20.9 | 21.3 | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.9 |
| 28 | 15.9 | 17.0 | 18.0 | 18.9 | 19.6 | 20.2 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.8 |
| 29 | 15.7 | 16.9 | 17.9 | 18.8 | 19.5 | 20.2 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.8 |
| 30 | 15.5 | 16.8 | 17.9 | 18.7 | 19.5 | 20.2 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.8 |
| 31 | 15.5 | 16.7 | 17.8 | 18.7 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 32 | 15.4 | 16.7 | 17.8 | 18.7 | 19.4 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 33 | 15.4 | 16.7 | 17.7 | 18.7 | 19.4 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 34 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 35 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.6 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 36 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.6 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 37 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.6 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 38 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.6 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |
| 39 | 15.3 | 16.6 | 17.7 | 18.6 | 19.4 | 20.1 | 20.7 | 21.2 | 21.6 | 22.0 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.77

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 28.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.8 | 28.3 | 26.8 | 26.2 | 25.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.1 | 27.2 | 26.0 | 25.5 | 25.2 | 25.1 | 25.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.5 | 26.4 | 25.2 | 24.7 | 24.5 | 24.5 | 24.5 | 24.6 | 24.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 | 24.5 | 24.0 | 23.8 | 23.8 | 23.9 | 24.0 | 24.2 | 24.3 | 24.5 |
| 21 | 0. | 0. | 0. | 0. | 28.0 | 23.9 | 23.2 | 23.0 | 23.1 | 23.2 | 23.4 | 23.6 | 23.8 | 23.9 | 24.1 | 24.3 |
| 22 | 0. | 0. | 0. | 23.9 | 22.4 | 22.1 | 22.2 | 22.4 | 22.6 | 22.9 | 23.1 | 23.4 | 23.6 | 23.8 | 24.0 | 24.2 |
| 23 | 0. | 0. | 21.8 | 21.1 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.7 | 22.9 | 23.2 | 23.5 | 23.7 | 23.9 | 24.1 |
| 24 | 28.5 | 20.0 | [illegible] | 20.1 | 20.5 | 21.0 | [illegible] | 21.8 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 25 | 18.2 | 18.4 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 | 23.3 | 23.6 | 23.8 | 24.1 |
| 26 | 16.9 | 17.8 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 | 23.8 | 24.0 |
| 27 | 16.3 | 17.4 | 18.3 | 19.1 | 19.8 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.5 | 23.8 | 24.0 |
| 28 | 16.0 | 17.2 | 18.2 | 19.0 | 19.7 | 20.4 | 20.9 | 21.4 | 21.9 | 22.3 | 22.6 | 23.0 | 23.3 | 23.5 | 23.8 | 24.0 |
| 29 | 15.8 | 17.0 | 18.1 | 18.9 | 19.7 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 |
| 30 | 15.7 | 16.9 | 18.0 | 18.9 | 19.6 | 20.3 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 |
| 31 | 15.6 | 16.9 | 17.9 | 18.8 | 19.6 | 20.3 | 20.8 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 |
| 32 | 15.5 | 16.8 | 17.9 | 18.8 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 33 | 15.5 | 16.8 | 17.9 | 18.8 | 19.6 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 34 | 15.4 | 16.8 | 17.8 | 18.8 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 35 | 15.4 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | [illegible] | 23.2 | 23.5 | 23.7 | 24.0 |
| 36 | 15.4 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 37 | 15.4 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 38 | 15.4 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |
| 39 | 15.4 | 16.7 | 17.8 | 18.7 | 19.5 | 20.2 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.78

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 28.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 27.4 | 26.6 | 26.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.0 | 26.4 | 25.8 | 25.5 | 25.4 | 25.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 | 25.6 | 25.0 | 24.8 | 24.7 | 24.8 | 24.8 | 24.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 27.4 | 25.0 | 24.3 | 24.1 | 24.1 | 24.1 | 24.2 | 24.4 | 24.5 | 24.6 |
| 21 | 0. | 0. | 0. | 0. | 35.7 | 24.5 | 23.5 | 23.3 | 23.3 | 23.4 | 23.6 | 23.8 | 23.9 | 24.1 | 24.3 | 24.5 |
| 22 | 0. | 0. | 0. | 25.2 | 22.8 | 22.4 | 22.4 | 22.6 | 22.8 | 23.1 | 23.3 | 23.5 | 23.8 | 24.0 | 24.2 | 24.4 |
| 23 | 0. | 0. | 22.5 | 21.4 | 21.4 | 21.6 | 21.9 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 | 24.3 |
| 24 | 0. | 20.6 | 20.1 | 20.3 | 20.7 | 21.2 | 21.6 | 22.0 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.8 | 24.0 | 24.3 |
| 25 | 18.7 | 18.7 | 19.2 | 19.8 | 20.4 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.2 |
| 26 | 17.2 | 18.0 | 18.8 | 19.5 | 20.1 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 | 24.2 |
| 27 | 16.5 | 17.6 | 18.5 | 19.3 | 20.0 | 20.6 | 21.1 | 21.6 | 22.1 | 22.5 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 | 24.2 |
| 28 | 16.2 | 17.3 | 18.3 | 19.2 | 19.9 | 20.5 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 | 24.2 |
| 29 | 15.9 | 17.2 | 18.2 | 19.1 | 19.8 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 | 24.2 |
| 30 | 15.8 | 17.1 | 18.1 | 19.0 | 19.8 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 23.9 | 24.1 |
| 31 | 15.7 | 17.0 | 18.1 | 19.0 | 19.7 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 23.9 | 24.1 |
| 32 | 15.6 | 16.9 | 18.0 | 18.9 | 19.7 | 20.4 | 21.0 | 21.5 | 22.0 | 22.4 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 33 | 15.6 | 16.9 | 18.0 | 18.9 | 19.7 | 20.4 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 34 | 15.5 | 16.9 | 18.0 | 18.9 | 19.7 | 20.4 | 20.9 | 21.5 | 21.9 | 22.4 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 35 | 15.5 | 16.8 | 17.9 | 18.9 | 19.7 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 36 | 15.5 | 16.8 | 17.9 | 18.9 | 19.7 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 37 | 15.5 | 16.8 | 17.9 | 18.9 | 19.7 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 38 | 15.5 | 16.8 | 17.9 | 18.9 | 19.6 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |
| 39 | 15.5 | 16.8 | 17.9 | 18.8 | 19.6 | 20.3 | 20.9 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.6 | 23.9 | 24.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.79

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.0 | 29.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 27.9 | 27.0 | 26.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 26.9 | 26.1 | 25.8 | 25.6 | 25.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.4 | 26.1 | 25.4 | 25.1 | 25.0 | 25.0 | 25.0 | 25.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 25.5 | 24.7 | 24.4 | 24.3 | 24.4 | 24.1 | 24.6 | 24.7 | 24.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 25.3 | 23.9 | 23.6 | 23.6 | 23.6 | 23.8 | 23.9 | 24.1 | 24.3 | 24.5 | 24.7 |
| 22 | 0. | 0. | 0. | 27.2 | 23.3 | 22.7 | 22.7 | 22.8 | 23.0 | 23.2 | 23.5 | 23.7 | 23.9 | 24.1 | 24.[illegible] | 24.5 |
| 23 | 0. | 0. | 23.5 | 21.8 | 21.7 | 21.8 | 22.1 | 22.4 | 22.7 | 23.0 | 23.3 | 23.6 | 23.8 | 24.0 | 24.3 | 24.5 |
| 24 | 0. | 21.3 | 20.4 | 20.6 | 20.9 | 21.3 | 21.7 | 22.1 | 22.5 | 22.8 | 23.2 | 23.4 | 23.7 | 24.0 | 24.2 | 24.4 |
| 25 | 19.3 | 19.0 | 19.4 | 20.0 | 20.5 | 21.1 | 21.5 | 22.0 | 22.4 | 22.7 | 23.1 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 |
| 26 | 17.5 | 18.2 | 18.9 | 19.6 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 | 24.1 | 24.4 |
| 27 | 16.7 | 17.7 | 18.6 | 19.4 | 20.1 | 20.8 | 21.3 | 21.8 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.1 | 24.3 |
| 28 | 16.3 | 17.5 | 18.5 | 19.3 | 20.0 | 20.7 | 21.2 | 21.7 | 22.2 | 22.6 | 22.9 | 23.3 | 23.6 | 23.8 | 24.1 | 24.3 |
| 29 | 16.1 | 17.3 | 18.3 | 19.2 | 20.0 | 20.6 | 21.2 | 21.7 | 22.1 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 30 | 15.9 | 17.2 | 18.2 | 19.1 | 19.9 | 20.6 | 21.1 | 21.7 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 31 | 15.8 | 17.1 | 18.2 | 19.1 | 19.9 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 32 | 15.7 | 17.0 | 18.1 | 19.1 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 33 | 15.7 | 17.0 | 18.1 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 34 | 15.6 | 17.0 | 18.1 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 |
| 35 | 15.6 | 17.0 | 18.1 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 |
| 36 | 15.6 | 16.9 | 18.1 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 |
| 37 | 15.6 | 16.9 | 18.0 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 |
| 38 | 15.6 | 16.9 | 18.0 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 |
| 39 | 15.6 | 16.9 | 18.0 | 19.0 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.80

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 28.6 | 27.4 | 26.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 27.5 | 26.5 | 26.1 | 25.9 | 25.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 26.7 | 25.8 | 25.4 | 25.2 | 25.2 | 25.2 | 25.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 26.2 | 25.0 | 24.7 | 24.6 | 24.6 | 24.6 | 24.8 | 24.9 | 25.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 26.2 | 24.4 | 23.9 | 23.8 | 23.9 | 24.0 | 24.1 | 24.3 | 24.5 | 24.7 | 24.8 |
| 22 | 0. | 0. | 0. | 32.8 | 23.9 | 23.1 | 22.9 | 23.0 | 23.2 | 23.4 | 23.7 | 23.9 | 24.1 | 24.3 | 24.5 | 24.7 |
| 23 | 0. | 0. | 24.9 | 22.3 | 21.9 | 22.1 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.7 | 24.0 | 24.2 | 24.4 | 24.6 |
| 24 | 0. | 22.2 | 20.8 | 20.8 | 21.1 | 21.5 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 | 24.1 | 24.4 | 24.6 |
| 25 | 20.0 | 19.3 | 19.7 | 20.2 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 | 24.5 |
| 26 | 17.7 | 18.4 | 19.1 | 19.8 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 | 24.5 |
| 27 | 16.9 | 17.9 | 18.8 | 19.6 | 20.3 | 20.9 | 21.4 | 21.9 | 22.4 | 22.8 | 23.1 | 23.4 | 23.7 | 24.0 | 24.3 | 24.5 |
| 28 | 16.5 | 17.6 | 18.6 | 19.4 | 20.2 | 20.8 | 21.4 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 |
| 29 | 16.2 | 17.4 | 18.5 | 19.3 | 20.1 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 |
| 30 | 16.0 | 17.3 | 18.4 | 19.3 | 20.0 | 20.7 | 21.3 | 21.8 | 22.3 | 22.7 | 23.0 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 |
| 31 | 15.9 | 17.2 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.8 | 22.2 | 22.7 | 23.0 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 |
| 32 | 15.8 | 17.2 | 18.3 | 19.2 | 20.0 | 20.6 | 21.2 | 21.8 | 22.2 | 22.7 | 23.0 | 23.4 | 23.7 | 24.0 | 24.2 | 24.4 |
| 33 | 15.8 | 17.1 | 18.2 | 19.2 | 19.9 | 20.6 | 21.2 | 21.8 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 |
| 34 | 15.8 | 17.1 | 18.2 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 |
| 35 | 15.7 | 17.1 | 18.2 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 23.9 | 24.2 | 24.4 |
| 36 | 15.7 | 17.1 | 18.2 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 23.9 | 24.2 | 24.4 |
| 37 | 15.7 | 17.0 | 18.2 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 23.9 | 24.2 | 24.4 |
| 38 | 15.7 | 17.0 | 18.2 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 23.9 | 24.2 | 24.4 |
| 39 | 15.7 | 17.0 | 18.1 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.7 | 23.9 | 24.2 | 24.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.81

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.3 | 29.3 | 27.9 | 27.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.9 | 28.1 | 26.9 | 26.4 | 26.2 | 26.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.2 | 27.3 | 26.2 | 25.7 | 25.5 | 25.4 | 25.5 | 25.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 25.5 | 25.0 | 24.8 | 24.8 | 24.9 | 25.0 | 25.1 | 25.2 |
| 21 | 0. | 0. | 0. | 0. | 0. | 27.5 | 24.8 | 24.2 | 24.1 | 24.1 | 24.2 | 24.3 | 24.5 | 24.7 | 24.8 | 25.0 |
| 22 | 0. | 0. | 0. | 0. | 24.6 | 23.4 | 23.2 | 23.3 | 23.4 | 23.6 | 23.8 | 24.1 | 24.3 | 24.5 | 24.7 | 24.9 |
| 23 | 0. | 0. | 27.5 | 22.8 | 22.3 | 22.3 | 22.5 | 22.8 | 23.1 | 23.3 | 23.6 | 23.9 | 24.1 | 24.4 | 24.6 | 24.8 |
| 24 | 0. | 23.5 | 21.2 | 21.1 | 21.4 | 21.7 | 22.1 | 22.5 | 22.8 | 23.2 | 23.5 | 23.8 | 24.0 | 24.3 | 24.5 | 24.7 |
| 25 | 21.0 | 19.7 | 19.9 | 20.4 | 20.9 | 21.4 | 21.9 | 22.3 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 | 24.7 |
| 26 | 18.1 | 18.6 | 19.3 | 20.0 | 20.6 | 21.2 | 21.7 | 22.2 | 22.6 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.4 | 24.7 |
| 27 | 17.1 | 18.1 | 19.0 | 19.7 | 20.4 | 21.0 | 21.6 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.4 | 24.6 |
| 28 | 16.6 | 17.8 | 18.7 | 19.6 | 20.3 | 21.0 | 21.5 | 22.0 | 22.5 | 22.9 | 23.2 | 23.6 | 23.9 | 24.1 | 24.4 | 24.6 |
| 29 | 16.3 | 17.6 | 18.6 | 19.5 | 20.2 | 20.9 | 21.5 | 22.0 | 22.4 | 22.8 | 23.2 | 23.5 | 23.9 | 24.1 | 24.4 | 24.6 |
| 30 | 16.2 | 17.4 | 18.5 | 19.4 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 31 | 16.0 | 17.3 | 18.4 | 19.3 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 32 | 16.0 | 17.3 | 18.4 | 19.3 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 33 | 15.9 | 17.2 | 18.3 | 19.3 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 34 | 15.9 | 17.2 | 18.3 | 19.3 | 20.1 | 20.7 | 21.4 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 35 | 15.8 | 17.2 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 36 | 15.8 | 17.2 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.3 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 |
| 37 | 15.8 | 17.1 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.3 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 |
| 38 | 15.8 | 17.1 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.3 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 |
| 39 | 15.8 | 17.1 | 18.3 | 19.2 | 20.0 | 20.7 | 21.3 | 21.9 | 22.3 | 22.8 | 23.1 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.82

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 28.3 | 27.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 27.4 | 26.7 | 26.4 | 26.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 26.6 | 26.0 | 25.8 | 25.7 | 25.7 | 25.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 25.9 | 25.3 | 25.1 | 25.0 | 25.1 | 25.2 | 25.3 | 25.4 |
| 21 | 0. | 0. | 0. | 0. | 0. | 29.5 | 25.4 | 24.6 | 24.3 | 24.3 | 24.4 | 24.5 | 24.7 | 24.8 | 25.0 | 25.2 |
| 22 | 0. | 0. | 0. | 0. | 25.4 | 23.8 | 23.5 | 23.5 | 23.6 | 23.8 | 24.0 | 24.2 | 24.5 | 24.7 | 24.9 | 25.0 |
| 23 | 0. | 0. | 0. | 23.3 | 22.6 | 22.5 | 22.7 | 23.0 | 23.2 | 23.5 | 23.8 | 24.1 | 24.3 | 24.5 | 24.8 | 25.0 |
| 24 | 0. | 25.7 | 21.7 | 21.4 | 21.6 | 21.9 | 22.3 | 22.7 | 23.0 | 23.3 | 23.6 | 23.9 | 24.2 | 24.4 | 24.7 | 24.9 |
| 25 | 22.5 | 20.1 | 20.2 | 20.6 | 21.1 | 21.6 | 22.0 | 22.5 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 |
| 26 | 18.4 | 18.9 | 19.5 | 20.2 | 20.8 | 21.3 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.3 | 24.6 | 24.8 |
| 27 | 17.3 | 18.3 | 19.1 | 19.9 | 20.6 | 21.2 | 21.7 | 22.2 | 22.7 | 23.1 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 | 24.8 |
| 28 | 16.8 | 17.9 | 18.9 | 19.7 | 20.5 | 21.1 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 |
| 29 | 16.5 | 17.7 | 18.7 | 19.6 | 20.4 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 |
| 30 | 16.3 | 17.6 | 18.6 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.3 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 |
| 31 | 16.2 | 17.5 | 18.6 | 19.5 | 20.3 | 20.9 | 21.5 | 22.1 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 |
| 32 | 16.1 | 17.4 | 18.5 | 19.4 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 |
| 33 | 16.0 | 17.4 | 18.5 | 19.4 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.2 | 24.5 | 24.7 |
| 34 | 16.0 | 17.3 | 18.4 | 19.4 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.2 | 24.5 | 24.7 |
| 35 | 1[illegible].9 | 17.3 | 18.4 | 19.4 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.2 | 24.5 | 24.7 |
| 36 | 15.9 | 17.3 | 18.4 | 19.3 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.2 | 24.5 | 24.7 |
| 37 | 15.9 | 17.3 | 18.4 | 19.3 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.2 | 24.5 | 24.7 |
| 38 | 15.9 | 17.2 | 18.4 | 19.3 | 20.1 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.7 |
| 39 | 15.9 | 17.2 | 18.4 | 19.3 | 20.1 | 20.8 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.83

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.5 |
| 17 | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 28.9 | 27.9 |
| 18 | 0. | 0. | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 27.9 | 27.1 | 26.7 | 26.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 27.1 | 26.3 | 26.0 | 25.9 | 25.9 | 25.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 26.4 | 25.6 | 25.4 | 25.3 | 25.3 | 25.4 | 25.5 | 25.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 34.8 | 26.0 | 24.9 | 24.6 | 24.6 | 24.6 | 24.7 | 24.9 | 25.0 | 25.2 | 25.4 |
| 22 | 0. | 0. | 0. | 0. | 26.5 | 24.3 | 23.8 | 23.7 | 23.8 | 24.0 | 24.2 | 24.4 | 24.6 | 24.8 | 25.0 | 25.2 |
| 23 | 0. | 0. | 0. | 24.0 | 22.9 | 22.8 | 22.9 | 23.2 | 23.4 | 23.7 | 24.0 | 24.2 | 24.5 | 24.7 | 24.9 | 25.1 |
| 24 | 0. | 34.9 | 22.2 | 21.7 | 21.8 | 22.1 | 22.5 | 22.8 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.6 | 24.8 | 25.1 |
| 25 | 25.3 | 20.5 | 20.5 | 20.8 | 21.3 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 | 25.0 |
| 26 | 18.8 | 19.1 | 19.7 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.3 | 23.6 | 23.9 | 24.2 | 24.5 | 24.7 | 25.0 |
| 27 | 17.6 | 18.4 | 19.3 | 20.1 | 20.7 | 21.3 | 21.9 | 22.4 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.7 | 25.0 |
| 28 | 17.0 | 18.1 | 19.0 | 19.9 | 20.6 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.5 | 23.9 | 24.2 | 24.4 | 24.7 | 24.9 |
| 29 | 16.6 | 17.8 | 18.9 | 19.7 | 20.5 | 21.2 | 21.7 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 30 | 16.4 | 17.7 | 18.8 | 19.7 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 31 | 16.3 | 17.6 | 18.7 | 19.6 | 20.4 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 32 | 16.2 | 17.5 | 18.6 | 19.6 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 33 | 16.1 | 17.5 | 18.6 | 19.5 | 20.3 | 21.0 | 21.6 | 22.2 | 22.6 | 23.1 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 34 | 16.1 | 17.4 | 18.6 | 19.5 | 20.3 | 21.0 | 21.6 | 22.2 | 22.6 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 35 | 16.0 | 17.4 | 18.5 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 |
| 36 | 16.0 | 17.4 | 18.5 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 |
| 37 | 16.0 | 17.4 | 18.5 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 |
| 38 | 16.0 | 17.4 | 18.5 | 19.5 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 |
| 39 | 16.0 | 17.3 | 18.5 | 19.4 | 20.3 | 21.0 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.6 | 24.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.84

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.2 | 29.5 | 28.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 28.4 | 27.5 | 27.0 | 26.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.3 | 27.6 | 26.7 | 26.3 | 26.2 | 26.1 | 26.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.1 | 27.0 | 26.0 | 25.6 | 25.5 | 25.5 | 25.6 | 25.6 | 25.8 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 26.7 | 25.3 | 24.9 | 24.8 | 24.8 | 24.9 | 25.1 | 25.2 | 25.4 | 25.5 |
| 22 | 0. | 0. | 0. | 0. | 28.1 | 24.8 | 24.1 | 24.0 | 24.1 | 24.2 | 24.4 | 24.6 | 24.8 | 25.0 | 25.2 | 25.4 |
| 23 | 0. | 0. | 0. | 24.8 | 23.3 | 23.1 | 23.2 | 23.4 | 23.6 | 23.9 | 24.1 | 24.4 | 24.6 | 24.9 | 25.1 | 25.3 |
| 24 | 0. | 0. | 22.8 | 22.0 | 22.1 | 22.3 | 22.7 | 23.0 | 23.3 | 23.7 | 24.0 | 24.3 | 24.5 | 24.8 | 25.0 | 25.2 |
| 25 | 0. | 21.0 | 20.7 | 21.0 | 21.5 | 21.9 | 22.4 | 22.8 | 23.2 | 23.5 | 23.9 | 24.2 | 24.4 | 24.7 | 24.9 | 25.2 |
| 26 | 19.3 | 19.4 | 19.9 | 20.5 | 21.1 | 21.7 | 22.2 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 | 25.1 |
| 27 | 17.8 | 18.6 | 19.5 | 20.2 | 20.9 | 21.5 | 22.0 | 22.5 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.1 |
| 28 | 17.2 | 18.2 | 19.2 | 20.0 | 20.7 | 21.4 | 21.9 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.1 |
| 29 | 16.8 | 18.0 | 19.0 | 19.9 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.8 | 25.1 |
| 30 | 16.6 | 17.8 | 18.9 | 19.8 | 20.6 | 21.2 | 21.8 | 22.4 | 22.8 | 23.3 | 23.6 | 24.0 | 24.3 | 24.6 | 24.8 | 25.1 |
| 31 | 16.4 | 17.7 | 18.8 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.8 | 25.1 |
| 32 | 16.3 | 17.6 | 18.7 | 19.7 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.3 | 24.5 | 24.8 | 25.1 |
| 33 | 16.2 | 17.6 | 18.7 | 19.6 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.3 | 24.5 | 24.8 | 25.0 |
| 34 | 16.2 | 17.5 | 18.7 | 19.6 | 20.4 | 21.1 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.3 | 24.5 | 24.8 | 25.0 |
| 35 | 16.1 | 17.5 | 18.6 | 19.6 | 20.4 | 21.1 | 21.7 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |
| 36 | 16.1 | 17.5 | 18.6 | 19.6 | 20.4 | 21.1 | 21.7 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |
| 37 | 16.1 | 17.5 | 18.6 | 19.6 | 20.4 | 21.1 | 21.7 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |
| 38 | 16.1 | 17.5 | 18.6 | 19.6 | 20.4 | 21.1 | 21.7 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |
| 39 | 16.1 | 17.5 | 18.6 | 19.6 | 20.4 | 21.1 | 21.7 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.85

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.7 | 30.2 | 28.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.8 | 29.0 | 27.9 | 27.3 | 27.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 28.1 | 27.1 | 26.6 | 26.4 | 26.3 | 26.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.7 | 27.6 | 26.4 | 25.9 | 25.8 | 25.7 | 25.8 | 25.8 | 25.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 | 25.7 | 25.2 | 25.0 | 25.1 | 25.1 | 25.3 | 25.4 | 25.5 | 25.7 |
| 22 | 0. | 0. | 0. | 0. | 31.2 | 25.3 | 24.5 | 24.3 | 24.3 | 24.4 | 24.6 | 24.8 | 25.0 | 25.2 | 25.4 | 25.5 |
| 23 | 0. | 0. | 0. | 26.0 | 23.7 | 23.4 | 23.4 | 23.6 | 23.8 | 24.1 | 24.3 | 24.6 | 24.8 | 25.0 | 25.2 | 25.4 |
| 24 | 0. | 0. | 23.6 | 22.4 | 22.3 | 22.5 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 | 25.4 |
| 25 | 0. | 21.6 | 21.1 | 21.3 | 21.7 | 22.1 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.1 | 25.3 |
| 26 | 19.8 | 19.6 | 20.1 | 20.7 | 21.3 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 27 | 18.1 | 18.8 | 19.6 | 20.4 | 21.0 | 21.6 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.0 | 25.3 |
| 28 | 17.3 | 18.4 | 19.3 | 20.2 | 20.9 | 21.5 | 22.1 | 22.6 | 23.0 | 23.5 | 23.8 | 24.2 | 24.5 | 24.7 | 25.0 | 25.2 |
| 29 | 16.9 | 18.1 | 19.1 | 20.0 | 20.8 | 21.4 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 30 | 16.7 | 18.0 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 31 | 16.5 | 17.8 | 18.9 | 19.9 | 20.6 | 21.3 | 21.9 | 22.5 | 22.9 | 23.4 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 32 | 16.4 | 17.8 | 18.9 | 19.8 | 20.6 | 21.3 | 21.9 | 22.5 | 22.9 | 23.4 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 33 | 16.3 | 17.7 | 18.8 | 19.8 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 34 | 16.3 | 17.6 | 18.8 | 19.7 | 20.6 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 |
| 35 | 16.2 | 17.6 | 18.8 | 19.7 | 20.5 | 21.3 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 |
| 36 | 16.2 | 17.6 | 18.7 | 19.7 | 20.5 | 21.2 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 |
| 37 | 16.2 | 17.6 | 18.7 | 19.7 | 20.5 | 21.2 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 |
| 38 | 16.2 | 17.6 | 18.7 | 19.7 | 20.5 | 21.2 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 |
| 39 | 16.2 | 17.6 | 18.7 | 19.7 | 20.5 | 21.2 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.86

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.1 | 29.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.6 | 29.7 | 28.3 | 27.7 | 27.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.3 | 28.8 | 27.5 | 26.9 | 26.7 | 26.6 | 26.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.4 | 26.8 | 26.2 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 26.2 | 25.5 | 25.3 | 25.3 | 25.3 | 25.4 | 25.6 | 25.7 | 25.9 |
| 22 | 0. | 0. | 0. | 0. | 0. | 25.9 | 24.8 | 24.5 | 24.5 | 24.6 | 24.8 | 25.0 | 25.2 | 25.3 | 25.5 | 25.7 |
| 23 | 0. | 0. | 0. | 27.6 | 24.2 | 23.7 | 23.6 | 23.8 | 24.0 | 24.2 | 24.5 | 24.7 | 25.0 | 25.2 | 25.4 | 25.6 |
| 24 | 0. | 0. | 24.5 | 22.8 | 22.6 | 22.8 | 23.0 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 | 24.8 | 25.1 | 25.3 | 25.5 |
| 25 | 0. | 22.4 | 21.4 | 21.5 | 21.9 | 22.3 | 22.7 | 23.1 | 23.5 | 23.8 | 24.2 | 24.5 | 24.7 | 25.0 | 25.3 | 25.5 |
| 26 | 20.4 | 19.9 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.4 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.2 | 25.4 |
| 27 | 18.4 | 19.0 | 19.8 | 20.5 | 21.2 | 21.8 | 22.3 | 22.8 | 23.3 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 | 25.4 |
| 28 | 17.5 | 18.6 | 19.5 | 20.3 | 21.0 | 21.7 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 | 25.4 |
| 29 | 17.1 | 18.3 | 19.3 | 20.2 | 20.9 | 21.6 | 22.2 | 22.7 | 23.1 | 23.6 | 23.9 | 24.3 | 24.6 | 24.9 | 25.1 | 25.4 |
| 30 | 16.8 | 18.1 | 19.1 | 20.1 | 20.8 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.1 | 25.4 |
| 31 | 16.6 | 18.0 | 19.1 | 20.0 | 20.8 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 | 24.2 | 24.6 | 24.8 | 25.1 | 25.4 |
| 32 | 16.5 | 17.9 | 19.0 | 19.9 | 20.7 | 21.4 | 22.0 | 22.6 | 23.1 | 23.5 | 23.9 | 24.2 | 24.6 | 24.8 | 25.1 | 25.4 |
| 33 | 16.4 | 17.8 | 18.9 | 19.9 | 20.7 | 21.4 | 22.0 | 22.6 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 34 | 16.4 | 17.8 | 18.9 | 19.9 | 20.7 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 35 | 16.3 | 17.7 | 18.9 | 19.8 | 20.7 | 21.4 | 22.0 | 22.6 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 36 | 16.3 | 17.7 | 18.9 | 19.8 | 20.7 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 37 | 16.3 | 17.7 | 18.8 | 19.8 | 20.6 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 38 | 16.3 | 17.7 | 18.8 | 19.8 | 20.6 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |
| 39 | 16.3 | 17.7 | 18.8 | 19.8 | 20.6 | 21.4 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.87

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 29.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 28.7 | 28.0 | 27.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.6 | 27.9 | 27.3 | [illegible] | 26.8 | 26.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.3 | 27.2 | 26.6 | 26.3 | 26.2 | 26.2 | 26.2 | 26.3 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 26.7 | 25.9 | 25.6 | 25.5 | 25.5 | 25.6 | 25.8 | 25.9 | 26.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 26.7 | 25.2 | 24.8 | 24.8 | 24.8 | 25.0 | 25.1 | 25.3 | 25.5 | 25.7 | 25.9 |
| 23 | 0. | 0. | 0. | 30.7 | 24.7 | 24.0 | 23.9 | 24.0 | 24.2 | 24.4 | 24.7 | 24.9 | 25.1 | 25.4 | 25.6 | 25.8 |
| 24 | 0. | 0. | 25.8 | 23.2 | 22.9 | 23.0 | 23.2 | 23.5 | 23.9 | 24.2 | 24.5 | 24.7 | 25.0 | 25.2 | 25.5 | 25.7 |
| 25 | 0. | 23.3 | 21.7 | 21.8 | 22.1 | 22.5 | 22.9 | 23.3 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 | 25.4 | 25.6 |
| 26 | 21.2 | 20.3 | 20.6 | 21.1 | 21.6 | 22.2 | 22.6 | 23.1 | 23.5 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 27 | 18.7 | 19.3 | 20.0 | 20.7 | 21.4 | 21.9 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 | 25.6 |
| 28 | 17.7 | 18.7 | 19.6 | 20.5 | 21.2 | 21.8 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.0 | 25.3 | 25.5 |
| 29 | 17.2 | 18.4 | 19.4 | 20.3 | 21.1 | 21.7 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.3 | 25.5 |
| 30 | 17.0 | 18.2 | 19.3 | 20.2 | 21.0 | 21.7 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.4 | 24.7 | 25.0 | 25.3 | 25.5 |
| 31 | 16.8 | 18.1 | 19.2 | 20.1 | 20.9 | 21.6 | 22.2 | 22.7 | 23.2 | 23.7 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 | 25.5 |
| 32 | 16.6 | 18.0 | 19.1 | 20.1 | 20.9 | 21.6 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 | 25.5 |
| 33 | 16.6 | 17.9 | 19.1 | 20.0 | 20.8 | 21.5 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.2 | 25.5 |
| 34 | 16.5 | 17.9 | 19.0 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.2 | 25.5 |
| 35 | 16.4 | 17.8 | 19.0 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.2 | 25.5 |
| 36 | 16.4 | 17.8 | 19.0 | 19.9 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.2 | 25.5 |
| 37 | 16.4 | 17.8 | 19.0 | 19.9 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.2 | 25.5 |
| 38 | 16.4 | 17.8 | 18.9 | 19.9 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.2 | 25.5 |
| 39 | 16.4 | 17.8 | 18.9 | 19.9 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.2 | 25.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.88

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.8 | 30.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.6 | 29.2 | 28.4 | 27.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.6 | 28.4 | 27.6 | 27.2 | 27.1 | 27.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.6 | 27.7 | 26.9 | 26.5 | 26.4 | 26.4 | 26.4 | 26.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 34.0 | 27.3 | 26.2 | 25.8 | 25.7 | 25.8 | 25.8 | 26.0 | 26.1 | 26.2 |
| 22 | 0. | 0. | 0. | 0. | 0. | 27.7 | 25.6 | 25.1 | 25.0 | 25.0 | 25.2 | 25.3 | 25.5 | 25.7 | 25.9 | 26.0 |
| 23 | 0. | 0. | 0. | 0. | 25.3 | 24.3 | 24.1 | 24.2 | 24.4 | 24.6 | 24.8 | 25.1 | 25.3 | 25.5 | 25.7 | 25.9 |
| 24 | 0. | 0. | 28.0 | 23.6 | 23.2 | 23.2 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 | 25.4 | 25.6 | 25.8 |
| 25 | 0. | 24.6 | 22.1 | 22.0 | 22.3 | 22.7 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 | 25.6 | 25.8 |
| 26 | 22.3 | 20.6 | 20.8 | 21.3 | 21.8 | 22.3 | 22.8 | 23.2 | 23.7 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 | 25.5 | 25.7 |
| 27 | 19.0 | 19.5 | 20.2 | 20.9 | 21.5 | 22.1 | 22.6 | 23.1 | 23.6 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 | 25.5 | 25.7 |
| 28 | 17.9 | 18.9 | 19.8 | 20.6 | 21.3 | 22.0 | 22.5 | 23.0 | 23.5 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 | 25.5 | 25.7 |
| 29 | 17.4 | 18.6 | 19.6 | 20.4 | 21.2 | 21.9 | 22.4 | 23.0 | 23.4 | 23.8 | 24.2 | 24.6 | 24.9 | 25.2 | 25.4 | 25.7 |
| 30 | 17.1 | 18.4 | 19.4 | 20.3 | 21.1 | 21.8 | 22.4 | 22.9 | 23.4 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.4 | 25.7 |
| 31 | 16.9 | 18.2 | 19.3 | 20.2 | 21.0 | 21.7 | 22.3 | 22.9 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 |
| 32 | 16.8 | 18.1 | 19.2 | 20.2 | 21.0 | 21.7 | 22.3 | 22.9 | 23.3 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 33 | 16.7 | 18.0 | 19.2 | 20.1 | 21.0 | 21.7 | 22.3 | 22.8 | 23.3 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 34 | 16.6 | 18.0 | 19.1 | 20.1 | 20.9 | 21.6 | 22.3 | 22.8 | 23.3 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 35 | 16.5 | 17.9 | 19.1 | 20.1 | 20.9 | 21.6 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 36 | 16.5 | 17.9 | 19.1 | 20.1 | 20.9 | 21.6 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 37 | 16.5 | 17.9 | 19.1 | 20.0 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 38 | 16.5 | 17.9 | 19.1 | 20.0 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |
| 39 | 16.5 | 17.9 | 19.0 | 20.0 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.89

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 31.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.0 | 29.8 | 28.7 | 28.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 28.9 | 28.0 | 27.5 | 27.3 | 27.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 | 28.3 | 27.2 | 26.8 | 26.7 | 26.6 | 26.6 | 26.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.0 | 26.6 | 26.1 | 26.0 | 26.0 | 26.0 | 26.1 | 26.3 | 26.4 |
| 22 | 0. | 0. | 0. | 0. | 0. | 28.9 | 26.1 | 25.4 | 25.2 | 25.3 | 25.4 | 25.5 | 25.7 | 25.9 | 26.0 | 26.2 |
| 23 | 0. | 0. | 0. | 0. | 26.0 | 24.7 | 24.4 | 24.4 | 24.6 | 24.8 | 25.0 | 25.2 | 25.5 | 25.7 | 25.9 | 26.1 |
| 24 | 0. | 0. | 34.8 | 24.2 | 23.5 | 23.5 | 23.6 | 23.9 | 24.2 | 24.5 | 24.8 | 25.1 | 25.3 | 25.6 | 25.8 | 26.0 |
| 25 | 0. | 26.8 | 22.6 | 22.3 | 22.5 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 | 24.6 | 24.9 | 25.2 | 25.5 | 25.7 | 25.9 |
| 26 | 24.0 | 21.0 | 21.1 | 21.5 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 | 24.2 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 27 | 19.3 | 19.7 | 20.4 | 21.0 | 21.7 | 22.3 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 | 25.9 |
| 28 | 18.2 | 19.1 | 20.0 | 20.8 | 21.5 | 22.1 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.7 | 25.1 | 25.[illegible] | 25.6 | 25.8 |
| 29 | 17.6 | 18.7 | 19.7 | 20.6 | 21.3 | 22.0 | 22.6 | 23.1 | 23.6 | 24.0 | 24.4 | 24.7 | 25.0 | 25.3 | 25.6 | 25.8 |
| 30 | 17.2 | 18.5 | 19.5 | 20.5 | 21.2 | 21.9 | 22.5 | 23.1 | 23.5 | 24.0 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 | 25.8 |
| 31 | 17.0 | 18.3 | 19.4 | 20.4 | 21.2 | 21.9 | 22.5 | 23.0 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 | 25.8 |
| 32 | 16.9 | 18.2 | 19.3 | 20.3 | 21.1 | 21.8 | 22.4 | 23.0 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.5 | 25.8 |
| 33 | 16.8 | 18.1 | 19.3 | 20.3 | 21.1 | 21.8 | 22.4 | 23.0 | 23.5 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 34 | 16.7 | 18.1 | 19.2 | 20.2 | 21.1 | 21.8 | 22.4 | 23.0 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 35 | 16.6 | 18.1 | 19.2 | 20.2 | 21.0 | 21.8 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 36 | 16.6 | 18.0 | 19.2 | 20.2 | 21.0 | 21.7 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 37 | 16.6 | 18.0 | 19.2 | 20.2 | 21.0 | 21.7 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 38 | 16.6 | 18.0 | 19.2 | 20.2 | 21.0 | 21.7 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |
| 39 | 16.5 | 18.0 | 19.2 | 20.1 | 21.0 | 21.7 | 22.4 | 22.9 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.5 | 25.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.90

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.2 | 30.4 | 29.1 | 28.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.9 | 29.5 | 28.3 | 27.8 | 27.6 | 27.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 28.9 | 27.6 | 27.1 | 26.9 | 26.8 | 26.8 | 26.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 27.0 | 26.4 | 26.2 | 26.2 | 26.2 | 26.3 | 26.4 | 26.6 |
| 22 | 0. | 0. | 0. | 0. | 0. | 30.9 | 26.6 | 25.7 | 25.5 | 25.5 | 25.6 | 25.7 | 25.9 | 26.0 | 26.2 | 26.4 |
| 23 | 0. | 0. | 0. | 0. | 26.9 | 25.1 | 24.7 | 24.7 | 24.8 | 25.0 | 25.2 | 25.4 | 25.6 | 25.8 | 26.0 | 26.2 |
| 24 | 0. | 0. | 0. | 24.8 | 23.8 | 23.7 | 23.9 | 24.1 | 24.4 | 24.7 | 24.9 | 25.2 | 25.5 | 25.7 | 25.9 | 26.2 |
| 25 | 0. | 34.4 | 23.1 | 22.6 | 22.7 | 23.0 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.6 | 25.9 | 26.1 |
| 26 | 27.4 | 21.5 | 21.3 | 21.7 | 22.2 | 22.7 | 23.1 | 23.6 | 24.0 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 | 25.8 | 26.0 |
| 27 | 19.8 | 20.0 | 20.6 | 21.2 | 21.8 | 22.4 | 22.9 | 23.4 | 23.8 | 24.2 | 24.6 | 24.9 | 25.2 | 25.5 | 25.8 | 26.0 |
| 28 | 18.4 | 19.3 | 20.1 | 20.9 | 21.6 | 22.2 | 22.8 | 23.3 | 23.8 | 24.2 | 24.5 | 24.9 | 25.2 | 25.5 | 25.7 | 26.0 |
| 29 | 17.7 | 18.9 | 19.9 | 20.7 | 21.5 | 22.1 | 22.7 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.7 | 26.0 |
| 30 | 17.4 | 18.6 | 19.7 | 20.6 | 21.4 | 22.1 | 22.7 | 23.2 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 |
| 31 | 17.1 | 18.5 | 19.6 | 20.5 | 21.3 | 22.0 | 22.6 | 23.2 | 23.6 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 32 | 17.0 | 18.3 | 19.5 | 20.4 | 21.2 | 22.0 | 22.6 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 33 | 16.9 | 18.3 | 19.4 | 20.4 | 21.2 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 34 | 16.8 | 18.2 | 19.4 | 20.3 | 21.2 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 35 | 16.8 | 18.2 | 19.3 | 20.3 | 21.2 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 36 | 16.7 | 18.1 | 19.3 | 20.3 | 21.1 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 37 | 16.7 | 18.1 | 19.3 | 20.3 | 21.1 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 38 | 16.7 | 18.1 | 19.3 | 20.3 | 21.1 | 21.9 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |
| 39 | 16.6 | 18.1 | 19.3 | 20.3 | 21.1 | 21.8 | 22.5 | 23.1 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.91

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.2 | 31.2 | 29.6 | 28.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.8 | 30.2 | 28.7 | 28.1 | 27.8 | 27.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 28.0 | 27.4 | 27.2 | 27.1 | 27.1 | 27.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 | 27.5 | 26.8 | 26.5 | 26.4 | 26.4 | 26.5 | 26.6 | 26.8 |
| 22 | 0. | 0. | 0. | 0. | 0. | 35.4 | 27.2 | 26.1 | 25.8 | 25.7 | 25.8 | 25.9 | 26.0 | 26.2 | 26.4 | 26.5 |
| 23 | 0. | 0. | 0. | 0. | 28.1 | 25.5 | 25.0 | 24.9 | 25.0 | 25.2 | 25.4 | 25.6 | 25.8 | 26.0 | 26.2 | 26.4 |
| 24 | 0. | 0. | 0. | 25.5 | 24.2 | 24.0 | 24.1 | 24.3 | 24.6 | 24.8 | 25.1 | 25.4 | 25.6 | 25.9 | 26.1 | 26.3 |
| 25 | 0. | 0. | 23.7 | 22.9 | 23.0 | 23.2 | 23.6 | 23.9 | 24.3 | 24.6 | 24.9 | 25.2 | 25.5 | 25.8 | 26.0 | 26.2 |
| 26 | 0. | 22.0 | 21.6 | 21.9 | 22.4 | 22.8 | 23.3 | 23.7 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 27 | 20.2 | 20.2 | 20.8 | 21.4 | 22.0 | 22.6 | 23.1 | 23.6 | 24.0 | 24.4 | 24.7 | 25.1 | 25.4 | 25.7 | 25.9 | 26.2 |
| 28 | 18.6 | 19.5 | 20.3 | 21.1 | 21.8 | 22.4 | 22.9 | 23.5 | 23.9 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 | 25.9 | 26.1 |
| 29 | 17.9 | 19.0 | 20.0 | 20.9 | 21.6 | 22.3 | 22.9 | 23.4 | 23.8 | 24.3 | 24.7 | 25.0 | 25.3 | 25.6 | 25.9 | 26.1 |
| 30 | 17.5 | 18.8 | 19.8 | 20.7 | 21.5 | 22.2 | 22.8 | 23.3 | 23.8 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 | 25.9 | 26.1 |
| 31 | 17.3 | 18.6 | 19.7 | 20.6 | 21.4 | 22.1 | 22.7 | 23.3 | 23.8 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 | 25.8 | 26.1 |
| 32 | 17.1 | 18.5 | 19.6 | 20.5 | 21.4 | 22.1 | 22.7 | 23.3 | 23.7 | 24.2 | 24.6 | 24.9 | 25.3 | 25.6 | 25.8 | 26.1 |
| 33 | 17.0 | 18.4 | 19.5 | 20.5 | 21.3 | 22.0 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 24.9 | 25.3 | 25.6 | 25.8 | 26.1 |
| 34 | 16.9 | 18.3 | 19.5 | 20.5 | 21.3 | 22.0 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |
| 35 | 16.9 | 18.3 | 19.4 | 20.4 | 21.3 | 22.0 | 22.6 | 23.2 | 23.7 | 24.2 | 24.6 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |
| 36 | 16.8 | 18.2 | 19.4 | 20.4 | 21.3 | 22.0 | 22.6 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |
| 37 | 16.8 | 18.2 | 19.4 | 20.4 | 21.2 | 22.0 | 22.6 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |
| 38 | 16.8 | 18.2 | 19.4 | 20.4 | 21.2 | 22.0 | 22.6 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |
| 39 | 16.7 | 18.2 | 19.4 | 20.4 | 21.2 | 22.0 | 22.6 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.92

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 30.0 | 29.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.0 | 29.2 | 28.4 | 28.1 | 27.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.6 | 28.5 | 27.7 | 27.4 | 27.3 | 27.3 | 27.3 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 28.0 | 27.1 | 26.7 | 26.6 | 26.7 | 26.7 | 26.8 | 26.9 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 26.5 | 26.0 | 25.[illegible] | 26.0 | 26.1 | 26.2 | 26.4 | 26.5 | 26.7 |
| 23 | 0. | 0. | 0. | 0. | 29.8 | 26.0 | 25.3 | 25.1 | 25.2 | 25.4 | 25.5 | 25.7 | 26.0 | 26.2 | 26.4 | 26.6 |
| 24 | 0. | 0. | 0. | 26.5 | 24.5 | 24.2 | 24.3 | 24.5 | 24.7 | 25.0 | 25.3 | 25.5 | 25.8 | 26.0 | 26.3 | 26.5 |
| 25 | 0. | 0. | 24.4 | 23.2 | 23.2 | 23.4 | 23.8 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 25.9 | 26.2 | 26.4 |
| 26 | 0. | 22.6 | 21.9 | 22.1 | 22.5 | 23.0 | 23.4 | 23.9 | 24.3 | 24.6 | 25.0 | 25.3 | 25.6 | 25.9 | 26.1 | 26.3 |
| 27 | 20.8 | 20.5 | 21.0 | 21.6 | 22.2 | 22.7 | 23.2 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 | 26.3 |
| 28 | 18.9 | 19.7 | 20.5 | 21.2 | 21.9 | 22.5 | 23.1 | 23.6 | 24.1 | 24.5 | 24.8 | 25.2 | 25.5 | 25.8 | 26.0 | 26.3 |
| 29 | 18.1 | 19.2 | 20.1 | 21.0 | 21.7 | 22.4 | 23.0 | 23.5 | 24.0 | 24.4 | 24.8 | 25.1 | 25.5 | 25.7 | 26.0 | 26.3 |
| 30 | 17.7 | 18.9 | 19.9 | 20.8 | 21.6 | 22.3 | 22.9 | 23.5 | 23.9 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 31 | 17.4 | 18.7 | 19.8 | 20.7 | 21.6 | 22.3 | 22.9 | 23.4 | 23.9 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 32 | 17.2 | 18.6 | 19.7 | 20.7 | 21.5 | 22.2 | 22.8 | 23.4 | 23.9 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 33 | 17.1 | 18.5 | 19.6 | 20.6 | 21.5 | 22.2 | 22.8 | 23.4 | 23.9 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 34 | 17.0 | 18.4 | 19.6 | 20.6 | 21.4 | 22.1 | 22.8 | 23.3 | 23.8 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 35 | 17.0 | 18.4 | 19.6 | 20.5 | 21.4 | 22.1 | 22.8 | 23.3 | 23.8 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 |
| 36 | 16.9 | 18.3 | 19.5 | 20.5 | 21.4 | 22.1 | 22.8 | 23.3 | 23.8 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.2 |
| 37 | 16.9 | 18.3 | 19.5 | 20.5 | 21.4 | 22.1 | 22.8 | 23.3 | 23.8 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.2 |
| 38 | 16.9 | 18.3 | 19.5 | 20.5 | 21.4 | 22.1 | 22.7 | 23.3 | 23.8 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.2 |
| 39 | 16.8 | 18.3 | 19.5 | 20.5 | 21.3 | 22.1 | 22.7 | 23.3 | 23.8 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.93

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.2 | 30.6 | 29.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.0 | 29.7 | 28.8 | 28.4 | 28.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.8 | 29.0 | 28.1 | 27.7 | 27.5 | 27.5 | 27.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 28.5 | 27.4 | 27.0 | 26.9 | 26.9 | 26.9 | 27.0 | 27.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 26.9 | 26.3 | 26.2 | 26.2 | 26.3 | 26.4 | 26.6 | 26.7 | 26.9 |
| 23 | 0. | 0. | 0. | 0. | 33.0 | 26.5 | 25.6 | 25.4 | 25.4 | 25.5 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 |
| 24 | 0. | 0. | 0. | 27.7 | 25.0 | 24.5 | 24.5 | 24.7 | 24.9 | 25.2 | 25.4 | 25.7 | 25.9 | 26.2 | 26.4 | 26.6 |
| 25 | 0. | 0. | 25.2 | 23.6 | 23.4 | 23.6 | 23.9 | 24.3 | 24.6 | 24.9 | 25.3 | 25.5 | 25.8 | 26.1 | 26.3 | 26.5 |
| 26 | 0. | 23.3 | 22.2 | 22.4 | 22.7 | 23.2 | 23.6 | 24.0 | 24.4 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 | 26.3 | 26.5 |
| 27 | 21.4 | 20.8 | 21.2 | 21.7 | 22.3 | 22.9 | 23.4 | 23.9 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.2 | 26.5 |
| 28 | 19.2 | 19.9 | 20.6 | 21.4 | 22.1 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 25.0 | 25.3 | 25.6 | 25.9 | 26.2 | 26.4 |
| 29 | 18.3 | 19.3 | 20.3 | 21.1 | 21.9 | 22.5 | 23.1 | 23.7 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 25.9 | 26.2 | 26.4 |
| 30 | 17.8 | 19.0 | 20.1 | 21.0 | 21.8 | 22.5 | 23.1 | 23.6 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 25.9 | 26.1 | 26.4 |
| 31 | 17.5 | 18.8 | 19.9 | 20.9 | 21.7 | 22.4 | 23.0 | 23.6 | 24.0 | 24.5 | 24.9 | 25.2 | 25.6 | 25.9 | 26.1 | 26.4 |
| 32 | 17.3 | 18.7 | 19.8 | 20.8 | 21.6 | 22.3 | 23.0 | 23.5 | 24.0 | 24.5 | 24.9 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 33 | 17.2 | 18.6 | 19.8 | 20.7 | 21.6 | 22.3 | 22.9 | 23.5 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 34 | 17.1 | 18.5 | 19.7 | 20.7 | 21.5 | 22.3 | 22.9 | 23.5 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 35 | 17.1 | 18.5 | 19.7 | 20.7 | 21.5 | 22.3 | 22.9 | 23.5 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 36 | 17.0 | 18.4 | 19.6 | 20.6 | 21.5 | 22.2 | 22.9 | 23.5 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 37 | 17.0 | 18.4 | 19.6 | 20.6 | 21.5 | 22.2 | 22.9 | 23.4 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 |
| 38 | 16.9 | 18.4 | 19.6 | 20.6 | 21.5 | 22.2 | 22.9 | 23.4 | 23.9 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.3 |
| 39 | 16.9 | 18.4 | 19.6 | 20.6 | 21.5 | 22.2 | 22.9 | 23.4 | 23.9 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.94

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.8 | 31.1 | 30.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.3 | 30.2 | 29.1 | 28.6 | 28.4 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.4 | 29.5 | 28.4 | 28.0 | 27.8 | 27.7 | 27.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.2 | 29.2 | 27.8 | 27.3 | 27.1 | 27.1 | 27.1 | 27.2 | 27.3 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 29.7 | 27.3 | 26.6 | 26.4 | 26.4 | 26.5 | 26.6 | 26.7 | 26.9 | 27.0 |
| 23 | 0. | 0. | 0. | 0. | 0. | 27.1 | 25.9 | 25.6 | 25.6 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 | 26.9 |
| 24 | 0. | 0. | 0. | 29.6 | 25.4 | 24.8 | 24.7 | 24.9 | 25.1 | 25.4 | 25.6 | 25.9 | 26.1 | 26.3 | 26.6 | 26.8 |
| 25 | 0. | 0. | 26.3 | 24.0 | 23.7 | 23.9 | 24.1 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 | 26.2 | 26.5 | 26.7 |
| 26 | 0. | 24.1 | 22.6 | 22.6 | 22.9 | 23.3 | 23.8 | 24.2 | 24.6 | 24.9 | 25.3 | 25.6 | 25.9 | 26.2 | 26.4 | 26.6 |
| 27 | 22.2 | 21.1 | 21.4 | 21.9 | 22.5 | 23.0 | 23.5 | 24.0 | 24.4 | 24.8 | 25.2 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 |
| 28 | 19.5 | 20.1 | 20.8 | 21.5 | 22.2 | 22.8 | 23.4 | 23.9 | 24.3 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.3 | 26.6 |
| 29 | 18.5 | 19.5 | 20.4 | 21.3 | 22.0 | 22.7 | 23.3 | 23.8 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 |
| 30 | 18.0 | 19.2 | 20.2 | 21.1 | 21.9 | 22.6 | 23.2 | 23.7 | 24.2 | 24.6 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.5 |
| 31 | 17.7 | 19.0 | 20.1 | 21.0 | 21.8 | 22.5 | 23.1 | 23.7 | 24.2 | 24.6 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.5 |
| 32 | 17.5 | 18.8 | 20.0 | 20.9 | 21.7 | 22.5 | 23.1 | 23.7 | 24.1 | 24.6 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.5 |
| 33 | 17.3 | 18.7 | 19.9 | 20.9 | 21.7 | 22.4 | 23.1 | 23.6 | 24.1 | 24.6 | 25.0 | 25.3 | 25.7 | 26.0 | 26.3 | 26.5 |
| 34 | 17.2 | 18.6 | 19.8 | 20.8 | 21.7 | 22.4 | 23.0 | 23.6 | 24.1 | 24.6 | 25.0 | 25.3 | 25.7 | 26.0 | 26.2 | 26.5 |
| 35 | 17.2 | 18.6 | 19.8 | 20.8 | 21.6 | 22.4 | 23.0 | 23.6 | 24.1 | 24.6 | 25.0 | 25.3 | 25.7 | 26.0 | 26.2 | 26.5 |
| 36 | 17.1 | 18.6 | 19.7 | 20.8 | 21.6 | 22.4 | 23.0 | 23.6 | 24.1 | 24.5 | 25.0 | 25.3 | 25.7 | 26.0 | 26.2 | 26.5 |
| 37 | 17.1 | 18.5 | 19.7 | 20.7 | 21.6 | 22.3 | 23.0 | 23.6 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 26.0 | 26.2 | 26.5 |
| 38 | 17.0 | 18.5 | 19.7 | 20.7 | 21.6 | 22.3 | 23.0 | 23.6 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 26.0 | 26.2 | 26.5 |
| 39 | 17.0 | 18.5 | 19.7 | 20.7 | 21.6 | 22.3 | 23.0 | 23.6 | 24.1 | 24.5 | 24.9 | 25.3 | 25.6 | 26.0 | 26.2 | 26.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.95

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.5 | 31.8 | 30.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.4 | 30.8 | 29.5 | 28.9 | 28.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.5 | 30.1 | 28.8 | 28.3 | 28.0 | 27.9 | 27.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.9 | 28.2 | 27.6 | 27.4 | 27.3 | 27.3 | 27.4 | 27.5 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 31.1 | 27.8 | 26.9 | 26.7 | 26.6 | 26.7 | 26.8 | 26.9 | 27.1 | 27.2 |
| 23 | 0. | 0. | 0. | 0. | 0. | 27.8 | 26.3 | 25.9 | 25.9 | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 | 26.9 | 27.0 |
| 24 | 0. | 0. | 0. | 33.7 | 25.9 | 25.1 | 25.0 | 25.1 | 25.3 | 25.5 | 25.8 | 26.0 | 26.3 | 26.5 | 26.7 | 26.9 |
| 25 | 0. | 0. | 28.0 | 24.4 | 24.0 | 24.1 | 24.3 | 24.6 | 24.9 | 25.3 | 25.6 | 25.9 | 26.1 | 26.4 | 26.6 | 26.8 |
| 26 | 0. | 25.3 | 23.0 | 22.9 | 23.1 | 23.5 | 23.9 | 24.3 | 24.7 | 25.1 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 | 26.8 |
| 27 | 23.3 | 21.5 | 21.6 | 22.1 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 25.0 | 25.3 | 25.7 | 26.0 | 26.2 | 26.5 | 26.7 |
| 28 | 19.8 | 20.3 | 21.0 | 21.7 | 22.4 | 23.0 | 23.5 | 24.0 | 24.5 | 24.9 | 25.3 | 25.6 | 25.9 | 26.2 | 26.5 | 26.7 |
| 29 | 18.7 | 19.7 | 20.6 | 21.4 | 22.2 | 22.8 | 23.4 | 23.9 | 24.4 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.4 | 26.7 |
| 30 | 18.1 | 19.3 | 20.4 | 21.3 | 22.0 | 22.7 | 23.3 | 23.9 | 24.3 | 24.8 | 25.2 | 25.5 | 25.9 | 26.2 | 26.4 | 26.7 |
| 31 | 17.8 | 19.1 | 20.2 | 21.1 | 21.9 | 22.6 | 23.3 | 23.8 | 24.3 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.7 |
| 32 | 17.6 | 18.9 | 20.1 | 21.0 | 21.9 | 22.6 | 23.2 | 23.8 | 24.3 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.7 |
| 33 | 17.4 | 18.8 | 20.0 | 21.0 | 21.8 | 22.6 | 23.2 | 23.8 | 24.3 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 |
| 34 | 17.3 | 18.8 | 19.9 | 20.9 | 21.8 | 22.5 | 23.2 | 23.7 | 24.2 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 |
| 35 | 17.3 | 18.7 | 19.9 | 20.9 | 21.8 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 |
| 36 | 17.2 | 18.7 | 19.9 | 20.9 | 21.7 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 |
| 37 | 17.2 | 18.6 | 19.8 | 20.9 | 21.7 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.4 | 25.8 | 26.1 | 26.4 | 26.6 |
| 38 | 17.1 | 18.6 | 19.8 | 20.8 | 21.7 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.4 | 25.8 | 26.1 | 26.4 | 26.6 |
| 39 | 17.1 | 18.6 | 19.8 | 20.8 | 21.7 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.4 | 25.8 | 26.1 | 26.4 | 26.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.96

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 30.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.0 | 31.5 | 29.9 | 29.3 | 28.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 29.2 | 28.6 | 28.3 | 28.1 | 28.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 28.6 | 27.9 | 27.6 | 27.5 | 27.5 | 27.6 | 27.6 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 33.3 | 28.3 | 27.3 | 26.9 | 26.8 | 26.9 | 27.0 | 27.1 | 27.2 | 27.4 |
| 23 | 0. | 0. | 0. | 0. | 0. | 28.7 | 26.7 | 26.2 | 26.1 | 26.1 | 26.3 | 26.4 | 26.6 | 26.8 | 27.0 | 27.2 |
| 24 | 0. | 0. | 0. | 0. | 26.5 | 25.4 | 25.2 | 25.3 | 25.5 | 25.7 | 25.9 | 26.2 | 26.4 | 26.7 | 26.9 | 27.1 |
| 25 | 0. | 0. | 31.1 | 24.9 | 24.3 | 24.3 | 24.5 | 24.8 | 25.1 | 25.4 | 25.7 | 26.0 | 26.3 | 26.5 | 26.8 | 27.0 |
| 26 | 0. | 27.2 | 23.4 | 23.1 | 23.3 | 23.7 | 24.1 | 24.5 | 24.9 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.7 | 26.9 |
| 27 | 24.9 | 21.8 | 21.9 | 22.3 | 22.8 | 23.4 | 23.8 | 24.3 | 24.7 | 25.1 | 25.5 | 25.8 | 26.1 | 26.4 | 26.7 | 26.9 |
| 28 | 20.2 | 20.5 | 21.2 | 21.9 | 22.5 | 23.1 | 23.7 | 24.2 | 24.6 | 25.0 | 25.4 | 25.7 | 26.1 | 26.3 | 26.6 | 26.9 |
| 29 | 18.9 | 19.9 | 20.8 | 21.6 | 22.3 | 23.0 | 23.5 | 24.1 | 24.5 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 | 26.8 |
| 30 | 18.3 | 19.5 | 20.5 | 21.4 | 22.2 | 22.9 | 23.5 | 24.0 | 24.5 | 24.9 | 25.3 | 25.7 | 26.0 | 26.3 | 26.6 | 26.8 |
| 31 | 17.9 | 19.2 | 20.3 | 21.3 | 22.1 | 22.8 | 23.4 | 23.9 | 24.4 | 24.9 | 25.3 | 25.6 | 26.0 | 26.3 | 26.6 | 26.8 |
| 32 | 17.7 | 19.1 | 20.2 | 21.2 | 22.0 | 22.7 | 23.4 | 23.9 | 24.4 | 24.9 | 25.3 | 25.6 | 26.0 | 26.3 | 26.5 | 26.8 |
| 33 | 17.6 | 18.9 | 20.1 | 21.1 | 21.9 | 22.7 | 23.3 | 23.9 | 24.4 | 24.8 | 25.2 | 25.6 | 25.9 | 26.3 | 26.5 | 26.8 |
| 34 | 17.4 | 18.9 | 20.0 | 21.0 | 21.9 | 22.6 | 23.3 | 23.9 | 24.4 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |
| 35 | 17.4 | 18.8 | 20.0 | 21.0 | 21.9 | 22.6 | 23.3 | 23.8 | 24.4 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |
| 36 | 17.3 | 18.8 | 20.0 | 21.0 | 21.9 | 22.6 | 23.3 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |
| 37 | 17.3 | 18.7 | 19.9 | 21.0 | 21.8 | 22.6 | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |
| 38 | 17.2 | 18.7 | 19.9 | 20.9 | 21.8 | 22.6 | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |
| 39 | 17.2 | 18.7 | 19.9 | 20.9 | 21.8 | 22.6 | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.97

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.5 | 31.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.3 | 30.4 | 29.6 | 29.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 29.7 | 28.9 | 28.5 | 28.4 | 28.3 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.1 | 29.1 | 28.2 | 27.9 | 27.7 | 27.7 | 27.8 | 27.8 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 39.3 | 28.9 | 27.6 | 27.2 | 27.1 | 27.1 | 27.2 | 27.3 | 27.4 | 27.5 |
| 23 | 0. | 0. | 0. | 0. | 0. | 29.9 | 27.1 | 26.5 | 26.3 | 26.3 | 26.5 | 26.6 | 26.8 | 27.0 | 27.2 | 27.4 |
| 24 | 0. | 0. | 0. | 0. | 27.2 | 25.8 | 25.5 | 25.5 | 25.7 | 25.9 | 26.1 | 26.3 | 26.6 | 26.8 | 27.0 | 27.2 |
| 25 | 0. | 0. | 0. | 25.4 | 24.6 | 24.5 | 24.7 | 25.0 | 25.3 | 25.6 | 25.9 | 26.2 | 26.4 | 26.7 | 26.9 | 27.1 |
| 26 | 0. | 21.3 | 23.8 | 23.4 | 23.6 | 23.9 | 24.3 | 24.7 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 | 26.8 | 27.1 |
| 27 | 28.2 | 22.3 | 22.1 | 22.5 | 23.0 | 23.5 | 24.0 | 24.5 | 24.9 | 25.3 | 25.6 | 26.0 | 26.3 | 26.5 | 26.8 | 27.0 |
| 28 | 20.6 | 20.8 | 21.4 | 22.0 | 22.7 | 23.3 | 23.8 | 24.3 | 24.8 | 25.2 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.0 |
| 29 | 19.2 | 20.0 | 20.9 | 21.7 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.1 | 25.5 | 25.8 | 26.2 | 26.5 | 26.7 | 27.0 |
| 30 | 18.5 | 19.6 | 20.6 | 21.5 | 22.3 | 23.0 | 23.6 | 24.1 | 24.6 | 25.1 | 25.4 | 25.8 | 26.1 | 26.4 | 26.7 | 27.0 |
| 31 | 18.1 | 19.4 | 20.5 | 21.4 | 22.2 | 22.9 | 23.5 | 24.1 | 24.6 | 25.0 | 25.4 | 25.8 | 26.1 | 26.4 | 26.7 | 26.9 |
| 32 | 17.8 | 19.2 | 20.3 | 21.3 | 22.1 | 22.8 | 23.5 | 24.0 | 24.5 | 25.0 | 25.4 | 25.8 | 26.1 | 26.4 | 26.7 | 26.9 |
| 33 | 17.7 | 19.1 | 20.2 | 21.2 | 22.1 | 22.8 | 23.4 | 24.0 | 24.5 | 25.0 | 25.4 | 25.7 | 26.1 | 26.4 | 26.7 | 26.9 |
| 34 | 17.5 | 19.0 | 20.2 | 21.2 | 22.0 | 22.8 | 23.4 | 24.0 | 24.5 | 25.0 | 25.4 | 25.7 | 26.1 | 26.4 | 26.7 | 26.9 |
| 35 | 17.5 | 18.9 | 20.1 | 21.1 | 22.0 | 22.7 | 23.4 | 24.0 | 24.5 | 24.9 | 25.4 | 25.7 | 26.1 | 26.4 | 26.7 | 26.9 |
| 36 | 17.4 | 18.9 | 20.1 | 21.1 | 22.0 | 22.7 | 23.4 | 24.0 | 24.5 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.7 | 26.9 |
| 37 | 17.4 | 18.8 | 20.0 | 21.1 | 22.0 | 22.7 | 23.4 | 24.0 | 24.5 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.7 | 26.9 |
| 38 | 17.3 | 18.8 | 20.0 | 21.1 | 21.9 | 22.7 | 23.4 | 23.9 | 24.5 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.6 | 26.9 |
| 39 | 17.3 | 18.8 | 20.0 | 21.0 | 21.9 | 22.7 | 23.4 | 23.9 | 24.5 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.6 | 26.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.98

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.7 | 31.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.3 | 30.3 | 29.9 | 29.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.8 | 30.1 | 29.2 | 28.8 | 28.6 | 28.5 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.8 | 29.6 | 28.6 | 28.1 | 28.0 | 27.9 | 27.9 | 28.0 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.6 | 28.0 | 27.5 | 27.3 | 27.3 | 27.3 | 27.4 | 27.6 | 27.7 |
| 23 | 0. | 0. | 0. | 0. | 0. | 31.5 | 27.6 | 26.8 | 26.6 | 26.6 | 26.7 | 26.8 | 27.0 | 27.2 | 27.3 | 27.5 |
| 24 | 0. | 0. | 0. | 0. | 28.1 | 26.2 | 25.8 | 25.7 | 25.9 | 26.1 | 26.3 | 26.5 | 26.7 | 27.0 | 27.2 | 27.4 |
| 25 | 0. | 0. | 0. | 26.1 | 24.9 | 24.8 | 24.9 | 25.2 | 25.5 | 25.7 | 26.0 | 26.3 | 26.6 | 26.8 | 27.1 | 27.3 |
| 26 | 0. | 0. | 24.4 | 23.7 | 23.8 | 24.1 | 24.4 | 24.8 | 25.2 | 25.5 | 25.9 | 26.2 | 26.5 | 26.7 | 27.0 | 27.2 |
| 27 | 0. | 22.7 | 22.4 | 22.7 | 23.2 | 23.7 | 24.2 | 24.6 | 25.0 | 25.4 | 25.8 | 26.1 | 26.4 | 26.7 | 26.9 | 27.2 |
| 28 | 21.0 | 21.0 | 21.6 | 22.2 | 22.8 | 23.4 | 24.0 | 24.5 | 24.9 | 25.3 | 25.7 | 26.0 | 26.3 | 26.6 | 26.9 | 27.1 |
| 29 | 19.4 | 20.2 | 21.1 | 21.9 | 22.6 | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.1 |
| 30 | 18.7 | 19.8 | 20.8 | 21.7 | 22.4 | 23.1 | 23.7 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.3 | 26.6 | 26.8 | 27.1 |
| 31 | 18.2 | 19.5 | 20.6 | 21.5 | 22.3 | 23.0 | 23.7 | 24.2 | 24.7 | 25.2 | 25.6 | 25.9 | 26.2 | 26.6 | 26.8 | 27.1 |
| 32 | 18.0 | 19.3 | 20.4 | 21.4 | 22.2 | 23.0 | 23.6 | 24.2 | 24.7 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 33 | 17.8 | 19.2 | 20.3 | 21.3 | 22.2 | 22.9 | 23.6 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 34 | 17.7 | 19.1 | 20.3 | 21.3 | 22.1 | 22.9 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 35 | 17.6 | 19.0 | 20.2 | 21.2 | 22.1 | 22.9 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 36 | 17.5 | 19.0 | 20.2 | 21.2 | 22.1 | 22.8 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 37 | 17.5 | 18.9 | 20.2 | 21.2 | 22.1 | 22.8 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 |
| 38 | 17.4 | 18.9 | 20.1 | 21.2 | 22.1 | 22.8 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.8 | 26.2 | 26.5 | 26.8 | 27.0 |
| 39 | 17.4 | 18.9 | 20.1 | 21.2 | 22.0 | 22.8 | 23.5 | 24.1 | 24.6 | 25.0 | 25.5 | 25.8 | 26.2 | 26.5 | 26.8 | 27.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.99

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 32.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 | 31.4 | 30.3 | 29.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.2 | 30.7 | 29.6 | 29.1 | 28.8 | 28.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.9 | 30.2 | 28.9 | 28.4 | 28.2 | 28.1 | 28.1 | 28.2 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.4 | 28.4 | 27.8 | 27.5 | 27.5 | 27.5 | 27.6 | 27.7 | 27.9 |
| 23 | 0. | 0. | 0. | 0. | 0. | 34.3 | 28.1 | 27.1 | 26.8 | 26.8 | 26.9 | 27.0 | 27.1 | 27.3 | 27.5 | 27.7 |
| 24 | 0. | 0. | 0. | 0. | 29.2 | 26.6 | 26.0 | 26.0 | 26.1 | 26.2 | 26.5 | 26.7 | 26.9 | 27.1 | 27.3 | 27.5 |
| 25 | 0. | 0. | 0. | 26.8 | 25.3 | 25.0 | 25.1 | 25.4 | 25.6 | 25.9 | 26.2 | 26.5 | 26.7 | 27.0 | 27.2 | 27.4 |
| 26 | 0. | 0. | 25.0 | 24.0 | 24.0 | 24.3 | 24.6 | 25.0 | 25.4 | 25.7 | 26.0 | 26.3 | 26.6 | 26.9 | 27.1 | 27.4 |
| 27 | 0. | 23.3 | 22.7 | 22.9 | 23.4 | 23.8 | 24.3 | 24.8 | 25.2 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 | 27.3 |
| 28 | 21.6 | 21.3 | 21.8 | 22.4 | 23.0 | 23.6 | 24.1 | 24.6 | 25.0 | 25.5 | 25.8 | 26.2 | 26.5 | 26.8 | 27.0 | 27.3 |
| 29 | 19.7 | 20.4 | 21.2 | 22.0 | 22.7 | 23.4 | 24.0 | 24.5 | 25.0 | 25.4 | 25.8 | 26.1 | 26.4 | 26.7 | 27.0 | 27.3 |
| 30 | 18.8 | 19.9 | 20.9 | 21.8 | 22.6 | 23.3 | 23.9 | 24.4 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.7 | 27.0 | 27.2 |
| 31 | 18.4 | 19.6 | 20.7 | 21.6 | 22.5 | 23.2 | 23.8 | 24.3 | 24.8 | 25.3 | 25.7 | 26.1 | 26.4 | 26.7 | 27.0 | 27.2 |
| 32 | 18.1 | 19.4 | 20.6 | 21.5 | 22.4 | 23.1 | 23.7 | 24.3 | 24.8 | 25.3 | 25.7 | 26.0 | 26.4 | 26.7 | 27.0 | 27.2 |
| 33 | 17.9 | 19.3 | 20.5 | 21.5 | 22.3 | 23.0 | 23.7 | 24.3 | 24.8 | 25.2 | 25.6 | 26.0 | 26.4 | 26.7 | 26.9 | 27.2 |
| 34 | 17.8 | 19.2 | 20.4 | 21.4 | 22.3 | 23.0 | 23.7 | 24.2 | 24.8 | 25.2 | 25.6 | 26.0 | 26.3 | 26.7 | 26.9 | 27.2 |
| 35 | 17.7 | 19.1 | 20.3 | 21.4 | 22.2 | 23.0 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 |
| 36 | 17.6 | 19.1 | 20.3 | 21.3 | 22.2 | 23.0 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 |
| 37 | 17.6 | 19.0 | 20.3 | 21.3 | 22.2 | 22.9 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 |
| 38 | 17.5 | 19.0 | 20.2 | 21.3 | 22.2 | 22.9 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 |
| 39 | 17.5 | 19.0 | 20.2 | 21.3 | 22.2 | 22.9 | 23.6 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.00

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.4 | 33.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 32.0 | 30.6 | 30.0 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.5 | 31.2 | 29.9 | 29.4 | 29.1 | 28.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 29.3 | 28.7 | 28.4 | 28.3 | 28.3 | 28.4 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 28.8 | 28.1 | 27.8 | 27.7 | 27.7 | 27.8 | 27.9 | 28.0 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 27.5 | 27.1 | 27.0 | 27.0 | 27.2 | 27.3 | 27.5 | 27.7 | 27.8 |
| 24 | 0. | 0. | 0. | 0. | 30.7 | 27.0 | 26.3 | 26.2 | 26.3 | 26.4 | 26.6 | 26.8 | 27.1 | 27.3 | 27.5 | 27.7 |
| 25 | 0. | 0. | 0. | 27.7 | 25.6 | 25.3 | 25.3 | 25.5 | 25.8 | 26.1 | 26.4 | 26.6 | 26.9 | 27.1 | 27.4 | 27.6 |
| 26 | 0. | 0. | 25.7 | 24.3 | 24.2 | 24.5 | 24.8 | 25.2 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.0 | 27.3 | 27.5 |
| 27 | 0. | 23.9 | 23.0 | 23.2 | 23.6 | 24.0 | 24.5 | 24.9 | 25.3 | 25.7 | 26.1 | 26.4 | 26.7 | 27.0 | 27.2 | 27.5 |
| 28 | 22.2 | 21.6 | 22.0 | 22.5 | 23.1 | 23.7 | 24.2 | 24.7 | 25.2 | 25.6 | 26.0 | 26.3 | 26.6 | 26.9 | 27.2 | 27.4 |
| 29 | 19.9 | 20.6 | 21.4 | 22.2 | 22.9 | 23.5 | 24.1 | 24.6 | 25.1 | 25.5 | 25.9 | 26.3 | 26.6 | 26.9 | 27.2 | 27.4 |
| 30 | 19.0 | 20.1 | 21.1 | 21.9 | 22.7 | 23.4 | 24.0 | 24.5 | 25.0 | 25.5 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 | 27.4 |
| 31 | 18.5 | 19.8 | 20.8 | 21.8 | 22.6 | 23.3 | 23.9 | 24.5 | 25.0 | 25.4 | 25.8 | 26.2 | 26.5 | 26.8 | 27.1 | 27.4 |
| 32 | 18.2 | 19.6 | 20.7 | 21.7 | 22.5 | 23.2 | 23.9 | 24.4 | 24.9 | 25.4 | 25.8 | 26.2 | 26.5 | 26.8 | 27.1 | 27.4 |
| 33 | 18.0 | 19.4 | 20.6 | 21.6 | 22.4 | 23.2 | 23.8 | 24.4 | 24.9 | 25.4 | 25.8 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 34 | 17.9 | 19.3 | 20.5 | 21.5 | 22.4 | 23.1 | 23.8 | 24.4 | 24.9 | 25.3 | 25.8 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 35 | 17.8 | 19.2 | 20.4 | 21.5 | 22.3 | 23.1 | 23.8 | 24.3 | 24.9 | 25.3 | 25.8 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 36 | 17.7 | 19.2 | 20.4 | 21.4 | 22.3 | 23.1 | 23.7 | 24.3 | 24.9 | 25.3 | 25.7 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 37 | 17.7 | 19.1 | 20.4 | 21.4 | 22.3 | 23.1 | 23.7 | 24.3 | 24.8 | 25.3 | 25.7 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 38 | 17.6 | 19.1 | 20.3 | 21.4 | 22.3 | 23.1 | 23.7 | 24.3 | 24.8 | 25.3 | 25.7 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |
| 39 | 17.6 | 19.1 | 20.3 | 21.4 | 22.3 | 23.0 | 23.7 | 24.3 | 24.8 | 25.3 | 25.7 | 26.1 | 26.5 | 26.8 | 27.1 | 27.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.36

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.6 | 38.5 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.9 | 38.2 | 36.2 | 35.3 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.5 | 35.8 | 34.8 | 34.3 | 34.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.4 | 35.7 | 34.3 | 33.7 | 33.5 | 33.3 | 33.3 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.7 | 34.1 | 33.2 | 32.9 | 32.7 | 32.7 | 32.8 | 32.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.4 | 32.8 | 32.3 | 32.1 | 32.1 | 32.2 | 32.3 | 32.5 | 32.6 |
| 27 | 0. | 0. | 0. | 0. | 0. | 39.0 | 32.8 | 31.7 | 31.4 | 31.4 | 31.4 | 31.6 | 31.8 | 32.0 | 32.2 | 32.4 |
| 28 | 0. | 0. | 0. | 0. | 35.7 | 31.5 | 30.7 | 30.5 | 30.6 | 30.8 | 31.0 | 31.3 | 31.6 | 31.8 | 32.1 | 32.3 |
| 29 | 0. | 0. | 0. | 33.7 | 30.2 | 29.7 | 29.7 | 29.9 | 30.1 | 30.5 | 30.8 | 31.1 | 31.4 | 31.7 | 31.9 | 32.2 |
| 30 | 0. | 0. | 32.4 | 29.0 | 28.6 | 28.7 | 29.1 | 29.4 | 29.8 | 30.2 | 30.6 | 30.9 | 31.3 | 31.6 | 31.8 | 32.1 |
| 31 | 0. | 31.6 | 27.7 | 27.5 | 27.7 | 28.2 | 28.7 | 29.2 | 29.6 | 30.0 | 30.4 | 30.8 | 31.2 | 31.5 | 31.8 | 32.1 |
| 32 | 32.4 | 26.3 | 26.2 | 26.6 | 27.2 | 27.8 | 28.4 | 28.9 | 29.4 | 29.9 | 30.3 | 30.7 | 31.1 | 31.4 | 31.7 | 32.0 |
| 33 | 24.7 | 24.7 | 25.4 | 26.1 | 26.9 | 27.6 | 28.2 | 28.8 | 29.3 | 29.8 | 30.3 | 30.7 | 31.0 | 31.4 | 31.7 | 32.0 |
| 34 | 23.0 | 23.9 | 24.9 | 25.8 | 26.6 | 27.4 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 | 31.7 | 32.0 |
| 35 | 22.2 | 23.4 | 24.6 | 25.6 | 26.5 | 27.3 | 28.0 | 28.6 | 29.2 | 29.7 | 30.2 | 30.6 | 31.0 | 31.3 | 31.6 | 31.9 |
| 36 | 21.7 | 23.1 | 24.3 | 25.4 | 26.4 | 27.2 | 27.9 | 28.5 | 29.1 | 29.6 | 30.1 | 30.5 | 30.9 | 31.3 | 31.6 | 31.9 |
| 37 | 21.5 | 22.9 | 24.2 | 25.3 | 26.3 | 27.1 | 27.8 | 28.5 | 29.1 | 29.6 | 30.1 | 30.5 | 30.9 | 31.3 | 31.6 | 31.9 |
| 38 | 21.1 | 22.7 | 24.0 | 25.2 | 26.2 | 27.0 | 27.8 | 28.5 | 29.1 | 29.6 | 30.1 | 30.5 | 30.9 | 31.3 | 31.6 | 31.9 |
| 39 | 20.9 | 22.6 | 24.0 | 25.1 | 26.1 | 27.0 | 27.8 | 28.4 | 29.0 | 29.6 | 30.1 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |
| 40 | 20.8 | 22.5 | 23.9 | 25.1 | 26.1 | 27.0 | 27.7 | 28.4 | 29.0 | 29.6 | 30.0 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |
| 41 | 20.7 | 22.4 | 23.8 | 25.0 | 26.1 | 26.9 | 27.7 | 28.4 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |
| 42 | 20.6 | 22.4 | 23.8 | 25.0 | 26.0 | 26.9 | 27.7 | 28.4 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |
| 43 | 20.6 | 22.3 | 23.8 | 25.0 | 26.0 | 26.9 | 27.7 | 28.4 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |
| 44 | 20.6 | 22.3 | 23.7 | 25.0 | 26.0 | 26.9 | 27.7 | 28.4 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.2 | 31.6 | 31.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.48

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.7 | 39.7 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.7 | 39.5 | 37.6 | 36.7 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.1 | 37.3 | 36.2 | 35.7 | 35.5 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 37.4 | 35.9 | 35.2 | 34.9 | 34.8 | 34.8 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.0 | 35.8 | 34.8 | 34.4 | 34.2 | 34.2 | 34.3 | 34.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.6 | 34.5 | 33.8 | 33.6 | 33.5 | 33.6 | 33.7 | 33.9 | 34.1 |
| 28 | 0. | 0. | 0. | 0. | 0. | 57.6 | 34.9 | 33.4 | 32.9 | 32.8 | 32.9 | 33.0 | 33.2 | 33.4 | 33.6 | 33.9 |
| 29 | 0. | 0. | 0. | 0. | 42.3 | 33.5 | 32.3 | 32.0 | 32.1 | 32.2 | 32.5 | 32.7 | 33.0 | 33.2 | 33.5 | 33.7 |
| 30 | 0. | 0. | 0. | 40.0 | 32.2 | 31.3 | 31.1 | 31.3 | 31.5 | 31.8 | 32.2 | 32.5 | 32.8 | 33.1 | 33.3 | 33.6 |
| 31 | 0. | 0. | 40.4 | 31.0 | 30.2 | 30.2 | 30.5 | 30.8 | 31.2 | 31.6 | 31.9 | 32.3 | 32.6 | 32.9 | 33.2 | 33.5 |
| 32 | 0. | 0. | 29.8 | 29.0 | 29.2 | 29.6 | 30.0 | 30.5 | 31.0 | 31.4 | 31.8 | 32.2 | 32.5 | 32.9 | 33.2 | 33.5 |
| 33 | 0. | 28.5 | 27.8 | 28.1 | 28.6 | 29.2 | 29.7 | 30.3 | 30.8 | 31.2 | 31.7 | 32.1 | 32.5 | 32.8 | 33.1 | 33.4 |
| 34 | 27.3 | 26.3 | 26.8 | 27.5 | 28.2 | 28.9 | 29.5 | 30.1 | 30.6 | 31.1 | 31.6 | 32.0 | 32.4 | 32.7 | 33.1 | 33.4 |
| 35 | 24.6 | 25.3 | 26.2 | 27.1 | 27.9 | 28.7 | 29.4 | 30.0 | 30.5 | 31.1 | 31.5 | 32.0 | 32.3 | 32.7 | 33.0 | 33.3 |
| 36 | 23.5 | 24.7 | 25.8 | 26.8 | 27.7 | 28.5 | 29.2 | 29.9 | 30.5 | 31.0 | 31.5 | 31.9 | 32.3 | 32.7 | 33.0 | 33.3 |
| 37 | 22.9 | 24.3 | 25.5 | 26.6 | 27.6 | 28.4 | 29.1 | 29.8 | 30.4 | 30.9 | 31.4 | 31.9 | 32.3 | 32.7 | 33.0 | 33.3 |
| 38 | 22.4 | 24.0 | 25.3 | 26.5 | 27.4 | 28.3 | 29.1 | 29.8 | 30.4 | 30.9 | 31.4 | 31.9 | 32.3 | 32.6 | 33.0 | 33.3 |
| 39 | 22.1 | 23.8 | 25.2 | 26.3 | 27.4 | 28.2 | 29.0 | 29.7 | 30.3 | 30.9 | 31.4 | 31.8 | 32.2 | 32.6 | 33.0 | 33.3 |
| 40 | 21.9 | 23.6 | 25.1 | 26.3 | 27.3 | 28.2 | 29.0 | 29.7 | 30.3 | 30.9 | 31.4 | 31.8 | 32.2 | 32.6 | 33.0 | 33.3 |
| 41 | 21.8 | 23.5 | 25.0 | 26.2 | 27.2 | 28.2 | 29.0 | 29.7 | 30.3 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 32.9 | 33.3 |
| 42 | 21.7 | 23.4 | 24.9 | 26.1 | 27.2 | 28.1 | 28.9 | 29.6 | 30.3 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 32.9 | 33.3 |
| 43 | 21.6 | 23.4 | 24.9 | 26.1 | 27.2 | 28.1 | 28.9 | 29.6 | 30.2 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 32.9 | 33.3 |
| 44 | 21.5 | 23.3 | 24.8 | 26.1 | 27.1 | 28.1 | 28.9 | 29.6 | 30.2 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 32.9 | 33.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.50

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.3 | 40.8 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.8 | 38.3 | 37.3 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.1 | 38.1 | 36.8 | 36.2 | 35.9 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.6 | 36.5 | 35.7 | 35.3 | 35.2 | 35.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.4 | 36.6 | 35.3 | 34.8 | 34.6 | 34.5 | 34.6 | 34.6 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.1 | 35.2 | 34.3 | 34.0 | 33.9 | 33.9 | 34.0 | 34.2 | 34.3 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 36.0 | 34.0 | 33.4 | 33.2 | 33.2 | 33.3 | 33.5 | 33.7 | 33.9 | 34.1 |
| 29 | 0. | 0. | 0. | 0. | 0. | 34.5 | 32.9 | 32.4 | 32.4 | 32.5 | 32.7 | 33.0 | 33.2 | 33.5 | 33.7 | 34.0 |
| 30 | 0. | 0. | 0. | 0. | 33.2 | 31.8 | 31.5 | 31.6 | 31.8 | 32.1 | 32.4 | 32.7 | 33.0 | 33.3 | 33.6 | 33.8 |
| 31 | 0. | 0. | 0. | 31.9 | 30.7 | 30.6 | 30.8 | 31.1 | 31.5 | 31.8 | 32.2 | 32.5 | 32.9 | 33.2 | 33.5 | 33.8 |
| 32 | 0. | 0. | 30.8 | 29.5 | 29.6 | 29.9 | 30.3 | 30.8 | 31.2 | 31.6 | 32.0 | 32.4 | 32.8 | 33.1 | 33.4 | 33.7 |
| 33 | 0. | 29.6 | 28.3 | 28.4 | 28.9 | 29.4 | 30.0 | 30.5 | 31.0 | 31.5 | 31.9 | 32.3 | 32.7 | 33.0 | 33.3 | 33.6 |
| 34 | 28.7 | 26.8 | 27.1 | 27.8 | 28.4 | 29.1 | 29.8 | 30.3 | 30.9 | 31.4 | 31.8 | 32.2 | 32.6 | 33.0 | 33.3 | 33.6 |
| 35 | 25.2 | 25.6 | 26.5 | 27.3 | 28.1 | 28.9 | 29.6 | 30.2 | 30.8 | 31.3 | 31.8 | 32.2 | 32.6 | 32.9 | 33.3 | 33.6 |
| 36 | 23.9 | 25.0 | 26.0 | 27.0 | 27.9 | 28.7 | 29.5 | 30.1 | 30.7 | 31.2 | 31.7 | 32.1 | 32.5 | 32.9 | 33.2 | 33.6 |
| 37 | 23.1 | 24.5 | 25.7 | 26.8 | 27.8 | 28.6 | 29.4 | 30.0 | 30.6 | 31.2 | 31.7 | 32.1 | 32.5 | 32.9 | 33.2 | 33.5 |
| 38 | 22.7 | 24.2 | 25.5 | 26.7 | 27.7 | 28.5 | 29.3 | 30.0 | 30.6 | 31.1 | 31.6 | 32.1 | 32.5 | 32.9 | 33.2 | 33.5 |
| 39 | 22.4 | 24.0 | 25.4 | 26.5 | 27.6 | 28.5 | 29.2 | 29.9 | 30.5 | 31.1 | 31.6 | 32.1 | 32.5 | 32.8 | 33.2 | 33.5 |
| 40 | 22.1 | 23.8 | 25.2 | 26.5 | 27.5 | 28.4 | 29.2 | 29.9 | 30.5 | 31.1 | 31.6 | 32.0 | 32.4 | 32.8 | 33.2 | 33.5 |
| 41 | 22.0 | 23.7 | 25.2 | 26.4 | 27.4 | 28.4 | 29.2 | 29.9 | 30.5 | 31.1 | 31.6 | 32.0 | 32.4 | 32.8 | 33.2 | 33.5 |
| 42 | 21.9 | 23.6 | 25.1 | 26.3 | 27.4 | 28.3 | 29.1 | 29.8 | 30.5 | 31.0 | 31.5 | 32.0 | 32.4 | 32.8 | 33.2 | 33.5 |
| 43 | 21.8 | 23.5 | 25.0 | 26.3 | 27.4 | 28.3 | 29.1 | 29.8 | 30.5 | 31.0 | 31.5 | 32.0 | 32.4 | 32.8 | 33.2 | 33.5 |
| 44 | 21.7 | 23.5 | 25.0 | 26.3 | 27.3 | 28.3 | 29.1 | 29.8 | 30.4 | 31.0 | 31.5 | 32.0 | 32.4 | 32.8 | 33.1 | 33.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.77

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.4 | 43.7 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 41.6 | 40.4 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.9 | 41.7 | 40.1 | 39.4 | 39.0 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.0 | 40.1 | 39.0 | 38.5 | 38.3 | 38.2 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.7 | 40.8 | 38.9 | 38.1 | 37.8 | 37.7 | 37.7 | 37.7 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 39.3 | 37.8 | 37.2 | 37.1 | 37.0 | 37.1 | 37.2 | 37.4 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 42.8 | 38.0 | 36.8 | 36.4 | 36.4 | 36.4 | 36.6 | 36.7 | 36.9 | 37.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 41.1 | 36.8 | 35.9 | 35.6 | 35.6 | 35.8 | 36.0 | 36.2 | 36.5 | 36.7 | 37.0 |
| 32 | 0. | 0. | 0. | 0. | 40.0 | 35.8 | 34.9 | 34.8 | 34.9 | 35.1 | 35.4 | 35.7 | 36.0 | 36.3 | 36.6 | 36.8 |
| 33 | 0. | 0. | 0. | 39.5 | 34.7 | 33.9 | 33.9 | 34.1 | 34.4 | 34.8 | 35.1 | 35.5 | 35.8 | 36.1 | 36.4 | 36.7 |
| 34 | 0. | 0. | 40.6 | 33.6 | 32.9 | 33.0 | 33.3 | 33.7 | 34.1 | 34.5 | 34.9 | 35.3 | 35.7 | 36.0 | 36.3 | 36.7 |
| 35 | 0. | 0. | 32.6 | 31.7 | 31.9 | 32.3 | 32.8 | 33.3 | 33.8 | 34.3 | 34.8 | 35.2 | 35.6 | 35.9 | 36.3 | 36.6 |
| 36 | 0. | 31.5 | 30.5 | 30.7 | 31.3 | 31.9 | 32.5 | 33.1 | 33.7 | 34.2 | 34.7 | 35.1 | 35.5 | 35.9 | 36. | 36.5 |
| 37 | 30.8 | 29.1 | 29.4 | 30.1 | 30.9 | 31.6 | 32.3 | 32.9 | 33.5 | 34.1 | 34.6 | 35.0 | 35.4 | 35.8 | 36.2 | 36.5 |
| 38 | 27.4 | 27.9 | 28.8 | 29.7 | 30.6 | 31.4 | 32.1 | 32.8 | 33.4 | 34.0 | 34.5 | 35.0 | 35.4 | 35.8 | 36.1 | 36.5 |
| 39 | 26.0 | 27.2 | 28.3 | 29.4 | 30.4 | 31.2 | 32.0 | 32.7 | 33.3 | 33.9 | 34.4 | 34.9 | 35.3 | 35.7 | 36.1 | 36.4 |
| 40 | 25.2 | 26.7 | 28.0 | 29.2 | 30.2 | 31.1 | 31.9 | 32.6 | 33.3 | 33.9 | 34.4 | 34.9 | 35.3 | 35.7 | 36.1 | 36.4 |
| 41 | 24.7 | 26.4 | 27.8 | 29.0 | 30.1 | 31.0 | 31.8 | 32.6 | 33.2 | 33.8 | 34.4 | 34.8 | 35.3 | 35.7 | 36.1 | 36.4 |
| 42 | 24.4 | 26.1 | 27.6 | 28.9 | 30.0 | 30.9 | 31.8 | 32.5 | 33.2 | 33.8 | 34.3 | 34.8 | 35.3 | 35.7 | 36.1 | 36.4 |
| 43 | 24.1 | 26.0 | 27.5 | 28.8 | 29.9 | 30.9 | 31.7 | 32.5 | 33.2 | 33.8 | 34.3 | 34.8 | 35.3 | 35.7 | 36.0 | 36.4 |
| 44 | 24.0 | 25.8 | 27.4 | 28.7 | 29.8 | 30.8 | 31.7 | 32.5 | 33.1 | 33.7 | 34.3 | 34.8 | 35.2 | 35.7 | 36.0 | 36.4 |
| 45 | 23.8 | 25.7 | 27.3 | 28.6 | 29.8 | 30.8 | 31.7 | 32.4 | 33.1 | 33.7 | 34.3 | 34.8 | 35.2 | 35.6 | 36.0 | 36.4 |
| 46 | 23.7 | 25.6 | 27.2 | 28.6 | 29.7 | 30.8 | 31.6 | 32.4 | 33.1 | 33.7 | 34.3 | 34.8 | 35.2 | 35.6 | 36.0 | 36.4 |
| 47 | 23.6 | 25.6 | 27.2 | 28.5 | 29.7 | 30.7 | 31.6 | 32.4 | 33.1 | 33.7 | 34.3 | 34.8 | 35.2 | 35.6 | 36.0 | 36.4 |
| 48 | 23.5 | 25.5 | 27.1 | 28.5 | 29.7 | 30.7 | 31.6 | 32.4 | 33.1 | 33.7 | 34.2 | 34.8 | 35.2 | 35.6 | 36.0 | 36.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.00

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.0 | 46.9 | 44.4 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.2 | 44.6 | 43.0 | 42.3 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 43.1 | 42.0 | 41.4 | 41.2 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.8 | 43.8 | 41.9 | 41.0 | 40.7 | 40.5 | 40.5 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.2 | 42.3 | 40.8 | 40.2 | 40.0 | 39.9 | 39.9 | 40.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.7 | 41.1 | 39.9 | 39.4 | 39.3 | 39.3 | 39.4 | 39.5 | 39.7 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 40.0 | 39.0 | 38.6 | 38.6 | 38.7 | 38.8 | 39.0 | 39.2 | 39.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 43.1 | 39.0 | 38.1 | 37.8 | 37.9 | 38.0 | 38.2 | 38.5 | 38.8 | 39.0 | 39.3 |
| 34 | 0. | 0. | 0. | 0. | 42.7 | 38.1 | 37.1 | 37.0 | 37.1 | 37.3 | 37.6 | 37.9 | 38.3 | 38.6 | 38.9 | 39.2 |
| 35 | 0. | 0. | 0. | 43.3 | 37.1 | 36.2 | 36.1 | 36.3 | 36.6 | 37.0 | 37.4 | 37.7 | 38.1 | 38.4 | 38.7 | 39.1 |
| 36 | 0. | 0. | 49.6 | 36.2 | 35.1 | 35.1 | 35.4 | 35.8 | 36.3 | 36.7 | 37.1 | 37.6 | 37.9 | 38.3 | 38.6 | 39.0 |
| 37 | 0. | 0. | 35.3 | 34.0 | 34.1 | 34.5 | 35.0 | 35.5 | 36.0 | 36.5 | 37.0 | 37.4 | 37.8 | 38.2 | 38.6 | 38.9 |
| 38 | 0. | 54.8 | 32.8 | 32.9 | 33.4 | 34.0 | 34.7 | 35.3 | 35.8 | 36.4 | 36.9 | 37.3 | 37.8 | 38.1 | 38.5 | 38.9 |
| 39 | 35.6 | 31.5 | 31.6 | 32.2 | 32.9 | 33.7 | 34.4 | 35.1 | 35.7 | 36.3 | 36.8 | 37.2 | 37.7 | 38.1 | 38.5 | 38.8 |
| 40 | 30.0 | 30.0 | 30.8 | 31.7 | 32.6 | 33.5 | 34.2 | 34.9 | 35.6 | 36.2 | 36.7 | 37.2 | 37.6 | 38.0 | 38.4 | 38.8 |
| 41 | 28.2 | 29.2 | 30.3 | 31.4 | 32.4 | 33.3 | 34.1 | 34.8 | 35.5 | 36.1 | 36.6 | 37.1 | 37.6 | 38.0 | 38.4 | 38.8 |
| 42 | 27.2 | 28.6 | 29.9 | 31.1 | 32.2 | 33.1 | 34.0 | 34.7 | 35.4 | 36.0 | 36.6 | 37.1 | 37.6 | 38.0 | 38.4 | 38.7 |
| 43 | 26.6 | 28.2 | 29.7 | 30.9 | 32.0 | 33.0 | 33.9 | 34.7 | 35.4 | 36.0 | 36.5 | 37.1 | 37.5 | 38.0 | 38.4 | 38.7 |
| 44 | 26.1 | 27.9 | 29.4 | 30.8 | 31.9 | 32.9 | 33.8 | 34.6 | 35.3 | 35.9 | 36.5 | 37.0 | 37.5 | 37.9 | 38.3 | 38.7 |
| 45 | 25.8 | 27.7 | 29.3 | 30.7 | 31.8 | 32.9 | 33.8 | 34.6 | 35.3 | 35.9 | 36.5 | 37.0 | 37.5 | 37.9 | 38.3 | 38.7 |
| 46 | 25.6 | 27.5 | 29.2 | 30.6 | 31.8 | 32.8 | 33.7 | 34.5 | 35.2 | 35.9 | 36.5 | 37.0 | 37.5 | 37.9 | 38.3 | 38.7 |
| 47 | 25.4 | 27.4 | 29.1 | 30.5 | 31.7 | 32.8 | 33.7 | 34.5 | 35.2 | 35.9 | 36.4 | 37.0 | 37.5 | 37.9 | 38.3 | 38.7 |
| 48 | 25.3 | 27.3 | 29.0 | 30.4 | 31.7 | 32.7 | 33.6 | 34.5 | 35.2 | 35.8 | 36.4 | 37.0 | 37.4 | 37.9 | 38.3 | 38.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.36

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.5 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.1 | 49.1 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.7 | 50.1 | 47.6 | 46.5 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.6 | 48.3 | 46.4 | 45.5 | 45.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.3 | 46.9 | 45.4 | 44.7 | 44.4 | 44.3 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.3 | 45.7 | 44.5 | 44.0 | 43.7 | 43.7 | 43.7 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.8 | 44.7 | 43.6 | 43.2 | 43.1 | 43.1 | 43.2 | 43.3 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.8 | 43.8 | 42.8 | 42.5 | 42.4 | 42.5 | 42.6 | 42.8 | 43.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 46.0 | 42.9 | 42.0 | 41.7 | 41.7 | 41.9 | 42.1 | 42.3 | 42.6 | 42.8 |
| 36 | 0. | 0. | 0. | 0. | 0. | 45.5 | 42.0 | 41.1 | 40.9 | 41.0 | 41.2 | 41.5 | 41.8 | 42.1 | 42.4 | 42.7 |
| 37 | 0. | 0. | 0. | 0. | 45.6 | 41.2 | 40.3 | 40.1 | 40.3 | 40.5 | 40.9 | 41.2 | 41.5 | 41.9 | 42.2 | 42.5 |
| 38 | 0. | 0. | 0. | 47.4 | 40.4 | 39.3 | 39.2 | 39.4 | 39.8 | 40.2 | 40.6 | 41.0 | 41.4 | 41.7 | 42.1 | 42.4 |
| 39 | 0. | 0. | 0. | 39.6 | 38.3 | 38.3 | 38.6 | 39.0 | 39.4 | 39.9 | 40.4 | 40.8 | 41.2 | 41.6 | 42.0 | 42.3 |
| 40 | 0. | 0. | 39.2 | 37.3 | 37.2 | 37.6 | 38.1 | 38.6 | 39.2 | 39.7 | 40.2 | 40.7 | 41.1 | 41.5 | 41.9 | 42.3 |
| 41 | 0. | 39.8 | 36.1 | 36.0 | 36.5 | 37.1 | 37.7 | 38.4 | 39.0 | 39.5 | 40.1 | 40.6 | 41.0 | 41.5 | 41.9 | 42.2 |
| 42 | 52.2 | 35.0 | 34.7 | 35.2 | 35.9 | 36.7 | 37.5 | 38.2 | 38.8 | 39.4 | 40.0 | 40.5 | 41.0 | 41.4 | 41.8 | 42.2 |
| 43 | 34.2 | 33.1 | 33.8 | 34.6 | 35.6 | 36.4 | 37.3 | 38.0 | 38.7 | 39.3 | 39.9 | 40.4 | 40.9 | 41.3 | 41.8 | 42.1 |
| 44 | 31.4 | 32.1 | 33.1 | 34.2 | 35.3 | 36.2 | 37.1 | 37.9 | 38.6 | 39.2 | 39.8 | 40.4 | 40.9 | 41.3 | 41.7 | 42.1 |
| 45 | 30.1 | 31.4 | 32.7 | 33.9 | 35.1 | 36.1 | 37.0 | 37.8 | 38.5 | 39.2 | 39.8 | 40.3 | 40.8 | 41.3 | 41.7 | 42.1 |
| 46 | 29.3 | 30.9 | 32.4 | 33.7 | 34.9 | 35.9 | 36.9 | 37.7 | 38.4 | 39.1 | 39.7 | 40.3 | 40.8 | 41.2 | 41.7 | 42.1 |
| 47 | 28.7 | 30.5 | 32.1 | 33.5 | 34.8 | 35.8 | 36.8 | 37.6 | 38.4 | 39.1 | 39.7 | 40.2 | 40.8 | 41.2 | 41.7 | 42.1 |
| 48 | 28.3 | 30.3 | 32.0 | 33.4 | 34.7 | 35.8 | 36.7 | 37.6 | 38.3 | 39.0 | 39.7 | 40.2 | 40.7 | 41.2 | 41.6 | 42.0 |
| 49 | 28.0 | 30.1 | 31.8 | 33.3 | 34.6 | 35.7 | 36.7 | 37.5 | 38.3 | 39.0 | 39.6 | 40.2 | 40.7 | 41.2 | 41.6 | 42.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.50

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.9 | 49.9 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.7 | 50.7 | 48.6 | 47.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.2 | 49.2 | 47.5 | 46.7 | 46.3 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.8 | 47.9 | 46.6 | 45.9 | 45.6 | 45.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.2 | 46.9 | 45.7 | 45.2 | 45.0 | 44.9 | 45.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.0 | 45.9 | 44.9 | 44.4 | 44.3 | 44.3 | 44.4 | 44.6 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.1 | 45.0 | 44.1 | 43.7 | 43.7 | 43.7 | 43.9 | 44.1 | 44.3 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 44.2 | 43.2 | 43.0 | 43.0 | 43.1 | 43.3 | 43.6 | 43.8 | 44.1 |
| 37 | 0. | 0. | 0. | 0. | 0. | 47.2 | 43.4 | 42.4 | 42.2 | 42.3 | 42.5 | 42.7 | 43.0 | 43.3 | 43.6 | 43.9 |
| 38 | 0. | 0. | 0. | 0. | 47.9 | 42.6 | 41.5 | 41.4 | 41.5 | 41.8 | 42.1 | 42.4 | 42.8 | 43.1 | 43.5 | 43.8 |
| 39 | 0. | 0. | 0. | 51.7 | 41.9 | 40.6 | 40.5 | 40.7 | 41.0 | 41.4 | 41.8 | 42.2 | 42.6 | 43.0 | 43.3 | 43.7 |
| 40 | 0. | 0. | 0. | 41.3 | 39.7 | 39.5 | 39.8 | 40.2 | 40.6 | 41.1 | 41.6 | 42.0 | 42.5 | 42.9 | 43.2 | 43.6 |
| 41 | 0. | 0. | 41.3 | 38.7 | 38.4 | 38.8 | 39.3 | 39.8 | 40.4 | 40.9 | 41.4 | 41.9 | 42.3 | 42.8 | 43.2 | 43.5 |
| 42 | 0. | 43.2 | 37.6 | 37.3 | 37.6 | 38.2 | 38.9 | 39.5 | 40.1 | 40.7 | 41.3 | 41.3 | 42.2 | 42.7 | 43.1 | 43.5 |
| 43 | 0. | 36.7 | 35.9 | 36.4 | 37.1 | 37.9 | 38.6 | 39.3 | 40.0 | 40.6 | 41.2 | 41.7 | 42.2 | 42.6 | 43.0 | 43.4 |
| 44 | 36.4 | 34.5 | 34.9 | 35.8 | 36.7 | 37.6 | 38.4 | 39.2 | 39.9 | 40.5 | 41.1 | 41.6 | 42. | 42.6 | 43.0 | 43.4 |
| 45 | 32.9 | 33.3 | 34.3 | 35.3 | 36.4 | 37.3 | 38.2 | 39.0 | 39.7 | 40.4 | 41.0 | 41.6 | 42.1 | 42.5 | 43.0 | 43.4 |
| 46 | 31.5 | 32.5 | 33.8 | 35.0 | 36.2 | 37.2 | [illegible] | 38.9 | 39.7 | 40.3 | 40.9 | 41.5 | 42.0 | 42.5 | 42.9 | 43.3 |
| 47 | 30.4 | 32.0 | 33.4 | 34.8 | 36.0 | 37.0 | 38.0 | 38.8 | 39.6 | 40.3 | 40.9 | 41.5 | 42.0 | 42.5 | 42.9 | 43.3 |
| 48 | 29.7 | 31.6 | 33.2 | 34.6 | 35.8 | 36.9 | 37.9 | 38.8 | 39.5 | 40.2 | 40.9 | 41.4 | 42.0 | 42.4 | 42.9 | 43.3 |
| 49 | [illegible] | 31.3 | 33.0 | 34.4 | 35.7 | 36.8 | 37.8 | 38.7 | 39.5 | 40.2 | 40.8 | 41.4 | 41.9 | 42.4 | 42.9 | 43.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.75

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.7 | 54.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.6 | 52.4 | 50.7 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 51.1 | 49.8 | 49.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.1 | 52.7 | 50.0 | 48.9 | 48.4 | 48.1 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.4 | 51.4 | 49.1 | 48.1 | 47.7 | 47.5 | 47.5 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.5 | 50.4 | 48.2 | 47.4 | 47.0 | 46.9 | 46.9 | 47.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.4 | 49.5 | 47.4 | 46.6 | 46.3 | 46.3 | 46.3 | 46.5 | 46.6 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 82.3 | 48.8 | 46.6 | 45.8 | 45.6 | 45.6 | 45.7 | 45.9 | 46.1 | 46.4 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 48.3 | 45.8 | 45.1 | 44.9 | 44.9 | 45.1 | 45.3 | 45.6 | 45.9 | 46.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 48.1 | 45.0 | 44.2 | 44.1 | 44.2 | 44.4 | 44.7 | 45.1 | 45.4 | 45.7 | 46.0 |
| 40 | 0. | 0. | 0. | 0. | 48.7 | 44.3 | 43.4 | 43.3 | 43.4 | 43.7 | 44.1 | 44.5 | 44.8 | 45.2 | 45.6 | 45.9 |
| 41 | 0. | 0. | 0. | 51.6 | 43.6 | 42.5 | 42.4 | 42.6 | 43.0 | 43.4 | 43.8 | 44.2 | 44.7 | 45.1 | 45.4 | 45.8 |
| 42 | 0. | 0. | 0. | 43.2 | 41.5 | 41.4 | 41.7 | 42.1 | 42.6 | 43.1 | 43.6 | 44.1 | 44.5 | 44.9 | 45.3 | 45.7 |
| 43 | 0. | 0. | 43.3 | 40.5 | 40.3 | 40.7 | 41.2 | 41.7 | 42.3 | 42.9 | 43.4 | 43.9 | 44.4 | 44.8 | 45.3 | 45.6 |
| 44 | 0. | 46.1 | 39.6 | 39.1 | 39.5 | 40.1 | 40.8 | 41.5 | 42.1 | 42.7 | 43.3 | 43.8 | 44.3 | 44.8 | 45.2 | 45.6 |
| 45 | 0. | 58.8 | 37.8 | 38.2 | 38.9 | 39.7 | 40.5 | 41.3 | 41.9 | 42.6 | 43.2 | 43.7 | 44.2 | 44.7 | 45.1 | 45.5 |
| 46 | 39.2 | 36.4 | 36.8 | 37.6 | 38.5 | 39.4 | 40.3 | 41.1 | 41.8 | 42.5 | 43.1 | 43.7 | 44.2 | 44.7 | 45.1 | 45.5 |
| 47 | 35.0 | 35.1 | 36.1 | 37.1 | 38.2 | 39.2 | 40.1 | 40.9 | 41.7 | 42.4 | 43.0 | 43.6 | 44.1 | 44.6 | 45.1 | 45.5 |
| 48 | 33.2 | 34.2 | 35.5 | 36.8 | 38.0 | 39.0 | 40.0 | 40.8 | 41.6 | 42.3 | 43.0 | 43.5 | 44.1 | 44.6 | 45.0 | 45.4 |
| 49 | 32.1 | 33.7 | 35.2 | 36.5 | 37.8 | 38.9 | 39.9 | 40.7 | 41.5 | 42.3 | 42.9 | 43.5 | 44.0 | 44.5 | 45.0 | 45.4 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.95

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR [K1] | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.6 | 56.3 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.9 | 54.7 | 52.8 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.4 | 53.4 | 51.8 | 51.1 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.7 | 52.3 | 51.0 | 50.3 | 50.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.4 | 51.4 | 50.2 | 49.6 | 49.4 | 49.3 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.5 | 50.5 | 49.4 | 48.9 | 48.7 | 48.7 | 48.8 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.8 | 49.7 | 48.6 | 48.2 | 48.1 | 48.1 | 48.2 | 48.4 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.4 | 49.0 | 47.9 | 47.5 | 47.4 | 47.5 | 47.7 | 47.9 | 48.1 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 52.4 | 48.3 | 47.1 | 46.8 | 46.7 | 46.9 | 47.1 | 47.3 | 47.6 | 47.9 |
| 40 | 0. | 0. | 0. | 0. | 0. | 53.3 | 47.6 | 46.3 | 46.0 | 46.0 | 46.2 | 46.5 | 46.8 | 47.1 | 47.4 | 47.7 |
| 41 | 0. | 0. | 0. | 0. | 57.5 | 47.1 | 45.5 | 45.2 | 45.2 | 45.5 | 45.8 | 46.2 | 46.5 | 46.9 | 47.2 | 47.6 |
| 42 | 0. | 0. | 0. | 0. | 46.8 | 44.7 | 44.3 | 44.4 | 44.7 | 45.1 | 45.5 | 45.9 | 46.3 | 46.7 | 47.1 | 47.5 |
| 43 | 0. | 0. | 0. | 47.2 | 43.9 | 43.4 | 43.5 | 43.8 | 44.3 | 44.8 | 45.3 | 45.7 | 46.2 | 46.6 | 47.0 | 47.4 |
| 44 | 0. | 0. | 50.2 | 43.1 | 42.3 | 42.5 | 42.9 | 43.4 | 44.0 | 44.5 | 45.1 | 45.6 | 46.0 | 46.5 | 46.9 | 47.3 |
| 45 | 0. | 0. | 42.7 | 41.2 | 41.3 | 41.8 | 42.5 | 43.1 | 43.7 | 44.3 | 44.9 | 45.4 | 45.9 | 46.4 | 46.8 | 47.2 |
| 46 | 0. | 43.2 | 40.1 | 40.1 | 40.7 | 41.4 | 42.1 | 42.9 | 43.5 | 44.2 | 44.8 | 45.3 | 45.9 | 46.3 | 46.8 | 47.2 |
| 47 | 53.6 | 39.0 | 38.7 | 39.3 | 40.2 | 41.0 | 41.9 | 42.7 | 43.4 | 44.1 | 44.7 | 45.3 | 45.8 | 46.3 | 46.7 | 47.2 |
| 48 | 38.5 | 37.2 | 37.8 | 38.8 | 39.8 | 40.8 | 41.7 | 42.5 | 43.3 | 44.0 | 44.6 | 45.2 | 45.7 | 46.2 | 46.7 | 47.1 |
| 49 | 35.5 | 36.0 | 37.2 | 38.4 | 39.5 | 40.5 | 41.5 | 42.4 | 43.2 | 43.9 | 44.5 | 45.1 | 45.7 | 46.2 | 46.7 | 47.1 |
| 50 | 34.0 | 35.3 | 36.7 | 38.0 | 39.3 | 40.4 | 41.4 | 42.3 | 43.1 | 43.8 | 44.5 | 45.1 | 45.6 | 46.2 | 46.6 | 47.1 |
| 51 | 33.0 | 34.7 | 36.3 | 37.8 | 39.1 | 40.2 | 41.3 | 42.2 | 43.0 | 43.8 | 44.4 | 45.0 | 45.6 | 46.1 | 46.6 | 47.0 |
| 52 | 32.4 | 34.3 | 36.1 | 37.6 | 38.9 | 40.1 | 41.2 | 42.1 | 42.9 | 43.7 | 44.4 | 45.0 | 45.6 | 46.1 | 46.6 | 47.0 |
| 53 | 31.9 | 34.0 | 35.8 | 37.4 | 38.8 | 40.0 | 41.1 | 42.0 | 42.9 | 43.7 | 44.4 | 45.0 | 45.6 | 46.1 | 46.6 | 47.0 |
| 54 | 31.6 | 33.8 | 35.7 | 37.3 | 38.7 | 39.9 | 41.0 | 42.0 | 42.9 | 43.6 | 44.3 | 45.0 | 45.5 | 46.1 | 46.5 | 47.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.25

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.7 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.9 | 57.1 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 85.7 | 59.0 | 55.9 | 54.6 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.7 | 57.7 | 55.0 | 53.8 | 53.1 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.7 | 56.6 | 54.1 | 53.0 | 52.5 | 52.2 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.2 | 55.7 | 53.3 | 52.3 | 51.8 | 51.6 | 51.6 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.5 | 55.0 | 52.5 | 51.5 | 51.1 | 51.0 | 51.0 | 51.1 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.5 | 51.8 | 50.8 | 50.5 | 50.4 | 50.4 | 50.6 | 50.8 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.2 | 51 1 | 50.1 | 49.8 | 49.7 | 49.8 | 50.0 | 50.2 | 50.5 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 54.5 | 50.5 | 49.4 | 49.0 | 49.0 | 49.2 | 49.4 | 49.7 | 50.0 | 50.3 |
| 42 | 0. | 0. | 0. | 0. | 0. | 55.7 | 49.9 | 48.6 | 48.3 | 48.3 | 48.5 | 48.8 | 49.1 | 49.4 | 49.8 | 50.1 |
| 43 | 0. | 0. | 0. | 0. | 61.6 | 49.6 | 47.8 | 47.4 | 47.5 | 47.8 | 48.1 | 48.5 | 48.8 | 49.2 | 49.6 | 50.0 |
| 44 | 0. | 0. | 0. | 0. | 49.5 | 47.1 | 46.6 | 46.7 | 47.0 | 47.3 | 47.8 | 48.2 | 48.6 | 49.1 | 49.5 | 49.8 |
| 45 | 0. | 0. | 0. | 50.5 | 46.3 | 45.6 | 45.7 | 46.1 | 46.5 | 47.0 | 47.5 | 48.0 | 48.5 | 48.9 | 49.3 | 49.7 |
| 46 | 0. | 0. | 57.1 | 45.8 | 44.7 | 44.7 | 45.1 | 45.6 | 46.2 | 46.8 | 47.3 | 47.9 | 48.4 | 48.8 | 49.3 | 49.7 |
| 47 | 0. | 0. | 45.7 | 43.6 | 43.6 | 44.0 | 44.7 | 45.3 | 46.0 | 46.6 | 47.2 | 47.7 | 48.2 | 48.7 | 49.2 | 49.6 |
| 48 | 0. | 47.8 | 42.6 | 42.4 | 42.8 | 43.5 | 44.3 | 45.0 | 45.8 | 46.4 | 47.0 | 47.6 | 48.2 | 48.7 | 49.1 | 49.6 |
| 49 | 0. | 41.9 | 41.0 | 41.5 | 42.3 | 43.2 | 44.0 | 44.8 | 45.6 | 46.3 | 46.9 | 47.5 | 48.1 | 48.6 | 49.1 | 49.5 |
| 50 | 42.6 | 39.6 | 40.0 | 40.9 | 41.9 | 42.9 | 43.8 | 44.7 | 45.5 | 46 2 | 46.8 | 47.5 | 48.0 | 48.5 | 49.0 | 49.5 |
| 51 | 38.3 | 38.2 | 39.2 | 40.4 | 41.6 | 42.6 | 43.6 | 44.5 | 45.3 | 4 .1 | 46.8 | 47.4 | 48.0 | 48.5 | 49.0 | 49.4 |
| 52 | 36.3 | 37.4 | 38.7 | 40.1 | 41.3 | 42.5 | 43.5 | 44.4 | 45.3 | 46.0 | 46.7 | 47.3 | 47.9 | 48.5 | 49.0 | 49.4 |
| 53 | 35.1 | 36.7 | 38.3 | 39.8 | 41.1 | 42.3 | 43.4 | 44.3 | 45.2 | 46.0 | 46.7 | 47.3 | 47.9 | 48.4 | 48.9 | 49.4 |
| 54 | 34.3 | 36.3 | 38.0 | 39.6 | 40.9 | 42.2 | 43.3 | 44.2 | 45.1 | 45.9 | 46.6 | 47.3 | 47.9 | 48.4 | 48.9 | 49.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.54

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78.2 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.7 | 61.5 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.4 | 60.1 | 58.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.4 | 59.0 | 57.1 | 56.1 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.2 | 58.1 | 56.3 | 55.4 | 55.0 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.4 | 57.3 | 55.5 | 54.7 | 54.4 | 54.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.2 | 56.6 | 54.8 | 54.1 | 53.7 | 53.6 | 53.6 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.8 | 56.0 | 54.1 | 53.4 | 53.1 | 53.0 | 53.1 | 53.2 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.1 | 55.6 | 53.5 | 52.7 | 52.4 | 52.4 | 52.5 | 52.7 | 52.9 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 80.2 | 55.3 | 52.8 | 52.0 | 51.7 | 51.7 | 51.9 | 52.1 | 52.4 | 52.6 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 55.5 | 52.2 | 51.3 | 51.0 | 51.[illegible] | 51.2 | 51.5 | 51.8 | 52.1 | 52.4 |
| 44 | 0. | 0. | 0. | 0. | 0. | 56.5 | 51.7 | 50.5 | 50.2 | 50.3 | 50.5 | 50.8 | 51.2 | 51.5 | 51.9 | 52.3 |
| 45 | 0. | 0. | 0. | 0. | 60.6 | 51.3 | 49.7 | 49.4 | 49.5 | 49.8 | 50.1 | 50.5 | 50.9 | 51.3 | 51.7 | 52.1 |
| 46 | 0. | 0. | 0. | 0. | 51.3 | 49.0 | 48.5 | 48.6 | 49.0 | 49.4 | 49.8 | 50.3 | 50.8 | 51.2 | 51.6 | 52.0 |
| 47 | 0. | 0. | 0. | 52.5 | 48.3 | 47.6 | 47.7 | 48.1 | 48.6 | 49.1 | 49.6 | 50.1 | 50.6 | 51.1 | 51.5 | 51.9 |
| 48 | 0. | 0. | 59.9 | 47.8 | 46.6 | 46.7 | 47.1 | 47.6 | 48.2 | 48.8 | 49.4 | 49.9 | 50.5 | 51.0 | 51.4 | 51.8 |
| 49 | 0. | 0. | 48.0 | 45.6 | 45.5 | 46.0 | 46.6 | 47.3 | 48.0 | 48.6 | 49.2 | 49.8 | 50.4 | 50.9 | 51.3 | 51.8 |
| 50 | 0. | 51.1 | 44.7 | 44.3 | 44.8 | 45.5 | 46.3 | 47.0 | 47.8 | 48.5 | 49.1 | 49.7 | 50.3 | 50.8 | 51.3 | 51.7 |
| 51 | 0. | 44.2 | 43.0 | 43.4 | 44.2 | 45.1 | 46.0 | 46.8 | 47.6 | 48.3 | 49.0 | 49.6 | 50.2 | 50.7 | 51.2 | 51.7 |
| 52 | 46.1 | 41.6 | 41.9 | 42.8 | 43.8 | 44.8 | 45.8 | 46.6 | 47.5 | 48.2 | 48.9 | 49.5 | 50.1 | 50.7 | 51.2 | 51.6 |
| 53 | 40.6 | 40.2 | 41.1 | 42.3 | 43.4 | 44.6 | 45.6 | 46.5 | 47.3 | 48.1 | 48.8 | 49.5 | 50.1 | 50.6 | 51.1 | 51.6 |
| 54 | 38.3 | 39.2 | 40.5 | 41.9 | 43.2 | 44.4 | 45.4 | 46.4 | 47.3 | 48.0 | 48.8 | 49.4 | 50.0 | 50.6 | 51.1 | 51.6 |
| 55 | 37.0 | 38.5 | 40.1 | 41.6 | 43.0 | 44.2 | 45.3 | 46.3 | 47.2 | 48.0 | 48.7 | 49.4 | 50.0 | 50.6 | 51.1 | 51.5 |
| 56 | 36.1 | 38.0 | 39.8 | 41.4 | 42.8 | 44.1 | 45.2 | 46.2 | 47.1 | 47.9 | 48.7 | 49.3 | 50.0 | 50.5 | 51.0 | 51.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.75

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.6 | 63.3 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.7 | 62.0 | 59.7 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.9 | 61.0 | 58.9 | 57.8 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.9 | 60.1 | 58.1 | 57.1 | 56.7 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.5 | 59.4 | 57.4 | 56.5 | 56.0 | 55.9 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.9 | 58.8 | 56.7 | 55.8 | 55.4 | 55.3 | 55.3 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.7 | 58.3 | 56.0 | 55.1 | 54.8 | 54.7 | 54.7 | 54.8 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.7 | 58.0 | 55.4 | 54.5 | 54.1 | 54.0 | 54.1 | 54.3 | 54.5 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.1 | 54.8 | 53.8 | 53.4 | 53.4 | 53.5 | 53.7 | 53.9 | 54.2 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 58.8 | 54.3 | 53.1 | 52.7 | 52.7 | 52.8 | 53.1 | 53.4 | 53.7 | 54.0 |
| 45 | 0. | 0. | 0. | 0. | 0. | 61.4 | 54.0 | 52.4 | 52.0 | 51.9 | 52.1 | 52.4 | 52.8 | 53.1 | 53.5 | 53.8 |
| 46 | 0. | 0. | 0. | 0. | 0. | 53.9 | 51.7 | 51.2 | 51.2 | 51.4 | 51.7 | 52.1 | 52.5 | 52.9 | 53.3 | 53.7 |
| 47 | 0. | 0. | 0. | 0. | 54.6 | 51.1 | 50.3 | 50.3 | 50.6 | 51.0 | 51.4 | 51.8 | 52.3 | 52.7 | 53.2 | 53.6 |
| 48 | 0. | 0. | 0. | 58.0 | 50.6 | 49.4 | 49.4 | 49.7 | 50.1 | 50.6 | 51.1 | 51.6 | 52.1 | 52.6 | 53.0 | 53.5 |
| 49 | 0. | 0. | 0. | 50.6 | 48.6 | 48.4 | 48.7 | 49.2 | 49.8 | 50.3 | 50.9 | 51.5 | 52.0 | 52.5 | 52.9 | 53.4 |
| 50 | 0. | 0. | 52.0 | 47.8 | 47.3 | 47.6 | 48.2 | 48.8 | 49.5 | 50.1 | 50.7 | 51.3 | 51.9 | 52.4 | 52.9 | 53.3 |
| 51 | 0. | 81.2 | 47.2 | 46.1 | 46.4 | 47.0 | 47.8 | 48.5 | 49.3 | 50.0 | 50.6 | 51.2 | 51.8 | 52.3 | 52.8 | 53.3 |
| 52 | 0. | 47.8 | 45.0 | 45.1 | 45.8 | 46.6 | 47.5 | 48.3 | 49.1 | 49.8 | 50.5 | 51.1 | 51.7 | 52.2 | 52.7 | 53.2 |
| 53 | 59.8 | 44.0 | 43.6 | 44.3 | 45.3 | 46.3 | 47.2 | 48.1 | 48.9 | 49.7 | 50.4 | 51.0 | 51.6 | 52.2 | 52.7 | 53.2 |
| 54 | 44.0 | 42.1 | 42.7 | 43.8 | 44.9 | 46.0 | 47.0 | 47.9 | 48.8 | 49.6 | 50.3 | 51.0 | 51.6 | 52.1 | 52.6 | 53.1 |
| 55 | 40.6 | 40.9 | 42.0 | 43.3 | 44.6 | 45.8 | 46.8 | 47.8 | 48.7 | 49.5 | 50.2 | 50.9 | 51.5 | 52.1 | 52.6 | 53.1 |
| 56 | 38.8 | 40.0 | 41.5 | 43.0 | 44.3 | 45.6 | 46.7 | 47.7 | 48.6 | 49.4 | 50.2 | 50.9 | 51.5 | 52.1 | 52.6 | 53.1 |
| 57 | 37.7 | 39.4 | 41.1 | 42.7 | 44.1 | 45.4 | 46.6 | 47.6 | 48.5 | 49.4 | 50.1 | 50.8 | 51.4 | 52.0 | 52.6 | 53.0 |
| 58 | 36.9 | 38.9 | 40.8 | 42.5 | 44.0 | 45.3 | 46.5 | 47.5 | 48.5 | 49.3 | 50.1 | 50.8 | 51.4 | 52.0 | 52.5 | 53.0 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.00

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 123.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 78.8 | 66.2 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.8 | 64.9 | 62.1 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.9 | 63.9 | 61.3 | 60.1 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.3 | 63.1 | 60.5 | 59.4 | 58.8 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73.0 | 62.5 | 59.9 | 58.7 | 58.1 | 57.9 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76.8 | 62.0 | 59.[illegible] | 58.1 | 57.5 | 57.3 | 57.2 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.8 | 58.6 | 57.4 | 56.9 | 56.7 | 56.7 | 56.8 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.0 | 58.1 | 56.8 | 56.2 | 56.1 | 56.1 | 56.2 | 56.4 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 57.7 | 56.1 | 55.6 | 55.4 | 55.5 | 55.6 | 55.8 | 56.1 |
| 45 | 0. | 0. | 0. | 0. | 0. | 0. | 66.0 | 57.4 | 55.5 | 54.9 | 54.7 | 54.8 | 55.0 | 55.3 | 55.6 | 55.[illegible] |
| 46 | 0. | 0. | 0. | 0. | 0. | 0. | 57.5 | 54.9 | 54.1 | 54.0 | 54.1 | 54.3 | 54.6 | 55.0 | 55.3 | 55.7 |
| 47 | 0. | 0. | 0. | 0. | 0. | 58.3 | 54.4 | 53.4 | 53.2 | 53.3 | 53.6 | 54.0 | 54.4 | 54.7 | 55.1 | 55.5 |
| 48 | 0. | 0. | 0. | 0. | 61.5 | 54.1 | 52.6 | 52.4 | 52.5 | 52.8 | 53.2 | 53.7 | 54.1 | 54.6 | 55.0 | 55.4 |
| 49 | 0. | 0. | 0. | 0. | 54.1 | 51.9 | 51.5 | 51.6 | 52.0 | 52.5 | 53.0 | 53.4 | 53.9 | 54.4 | 54.8 | 55.3 |
| 50 | 0. | 0. | 0. | 55.5 | 51.3 | 50.6 | 50.7 | 51.1 | 51.6 | 52.2 | 52.7 | 53.3 | 53.8 | 54.3 | 54.7 | 55.2 |
| 51 | 0. | 0. | 64.7 | 50.9 | 49.6 | 49.6 | 50.1 | 50.6 | 51.3 | 51.9 | 52.5 | 53.1 | 53.6 | 54.2 | 54.6 | 55.1 |
| 52 | 0. | 0. | 51.4 | 48.6 | 48.5 | 48.9 | 49.6 | 50.3 | 51.0 | 51.7 | 52.4 | 53.0 | 53.5 | 54.1 | 54.6 | 55.0 |
| 53 | 0. | 56.9 | 47.9 | 47.3 | 47.7 | 48.4 | 49.2 | 50.0 | 50.8 | 51.5 | 52.2 | 52.9 | 53.4 | 54.0 | 54.5 | 55.0 |
| 54 | 0. | 47.9 | 46.0 | 46.3 | 47.1 | 48.0 | 48.9 | 49.8 | 50.6 | 51.4 | 52.1 | 52.8 | 53.4 | 53.9 | 54.5 | 54.9 |
| 55 | 52.7 | 44.8 | 44.8 | 45.6 | 46.7 | 47.7 | 48.7 | 49.6 | 50.5 | 51.3 | 52.0 | 52.7 | 53.3 | 53.9 | 54.4 | 54.9 |
| 56 | 44.4 | 43.1 | 43.9 | 45.1 | 46.3 | 47.4 | 48.5 | 49.5 | 50.4 | 51.2 | 51.9 | 52.6 | 53.2 | 53.8 | 54.4 | 54.9 |
| 57 | 41.5 | 42.0 | 43.3 | 44.7 | 46.0 | 47.2 | 48.3 | 49.3 | 50.3 | 51.1 | 51.9 | 52.6 | 53.2 | 53.8 | 54.3 | 54.8 |
| 58 | 39.9 | 41.2 | 42.8 | 44.4 | 45.8 | 47.0 | 48.2 | 49.2 | 50.2 | 51.0 | 51.8 | 52.5 | 53.2 | 53.8 | 54.3 | 54.8 |
| 59 | 38.8 | 40.6 | 42.4 | 44.1 | 45.6 | 46.9 | 48.1 | 49.1 | 50.1 | 51.0 | 51.8 | 52.5 | 53.1 | 53.7 | 54.3 | 54.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.13

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.8 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.7 | 65.1 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.2 | 64.2 | 62.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.3 | 63.3 | 61.4 | 60.5 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.8 | 62.6 | 60.7 | 59.8 | 59.4 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.9 | 62.0 | 60.1 | 59.2 | 58.7 | 58.6 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.8 | 61.6 | 59.5 | 58.5 | 58.1 | 58.0 | 58.0 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.8 | 61.3 | 58.9 | 57.9 | 57.5 | 57.4 | 57.4 | 57.5 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 99.9 | 61.3 | 58.3 | 57.3 | 56.9 | 56.8 | 56.8 | 57.0 | 57.2 |
| 45 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.7 | 57.9 | 56.6 | 56.2 | 56.1 | 56.2 | 56.4 | 56.7 | 56.9 |
| 46 | 0. | 0. | 0. | 0. | 0. | 0. | 63.3 | 57.5 | 56.0 | 55.5 | 55.4 | 55.5 | 55.8 | 56.1 | 56.4 | 56.7 |
| 47 | 0. | 0. | 0. | 0. | 0. | 69.3 | 57.4 | 55.3 | 54.7 | 54.7 | 54.8 | 55.1 | 55.4 | 55.8 | 56.2 | 56.5 |
| 48 | 0. | 0. | 0. | 0. | 0. | 57.8 | 54.8 | 54.0 | 53.9 | 54.1 | 54.4 | 54.8 | 55.2 | 55.6 | 56.0 | 56.4 |
| 49 | 0. | 0. | 0. | 0. | 59.8 | 54.3 | 53.2 | 53.0 | 53.2 | 53.6 | 54.0 | 54.5 | 54.9 | 55.4 | 55.8 | 56.2 |
| 50 | 0. | 0. | 0. | 73.2 | 54.2 | 52.4 | 52.1 | 52.3 | 52.7 | 53.2 | 53.7 | 54.3 | 54.8 | 55.2 | 55.7 | 56.1 |
| 51 | 0. | 0. | 0. | 55.1 | 51.7 | 51.2 | 51.4 | 51.8 | 52.4 | 52.9 | 53.5 | 54.1 | 54.6 | 55.1 | 55.6 | 56.1 |
| 52 | 0. | 0. | 60.5 | 51.2 | 50.2 | 50.3 | 50.8 | 51.4 | 52.1 | 52.7 | 53.3 | 53.9 | 54.5 | 55.0 | 55.5 | 56.0 |
| 53 | 0. | 0. | 51.5 | 49.2 | 49.1 | 49.6 | 50.3 | 51.1 | 51.8 | 52.5 | 53.2 | 53.8 | 54.4 | 54.9 | 55.4 | 55.9 |
| 54 | 0. | 56.3 | 48.3 | 47.9 | 48.4 | 49.1 | 50.0 | 50.8 | 51.6 | 52.3 | 53.0 | 53.7 | 54.3 | 54.9 | 55.4 | 55.9 |
| 55 | 0. | 48.1 | 46.5 | 47.0 | 47.8 | 48.7 | 49.7 | 50.6 | 51.4 | 52.2 | 52.9 | 53.6 | 54.2 | 54.8 | 55.3 | 55.8 |
| 56 | 51.7 | 45.3 | 45.4 | 46.3 | 47.4 | 48.4 | 49.5 | 50.4 | 51.3 | 52.1 | 52.8 | 53.5 | 54.2 | 54.7 | 55.3 | 55.8 |
| 57 | 44.7 | 43.7 | 44.6 | 45.8 | 47.0 | 48.2 | 49.3 | 50.3 | 51.2 | 52.0 | 52.8 | 53.5 | 54.1 | 54.7 | 55.2 | 55.7 |
| 58 | 42.0 | 42.6 | 44.0 | 45.4 | 46.7 | 48.0 | 49.1 | 50.1 | 51.1 | 51.9 | 52.7 | 53.4 | 54.1 | 54.7 | 55.2 | 55.7 |
| 59 | 40.4 | 41.8 | 43.5 | 45.1 | 46.5 | 47.8 | 49.0 | 50.0 | 51.0 | 51.8 | 52.6 | 53.4 | 54.0 | 54.6 | 55.2 | 55.7 |
| 60 | 39.4 | 41.3 | 43.1 | 44.8 | 46.3 | 47.6 | 48.9 | 49.9 | 50.9 | 51.8 | 52.6 | 53.3 | 54.0 | 54.6 | 55.1 | 55.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.60

FIVE-HARNESS WEAVE FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 76.8 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.2 | 68.9 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.2 | 68.1 | 65.8 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73.9 | 67.4 | 65.2 | 64.0 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.2 | 66.9 | 64.5 | 63.4 | 62.8 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 75.8 | 66.5 | 64.0 | 62.8 | 62.3 | 62.0 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 80.7 | 66.4 | 63.4 | 62.2 | 61.7 | 61.4 | 61.4 |
| 45 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 66.5 | 63.0 | 61.6 | 61.0 | 60.8 | 60.8 | 60.9 |
| 46 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.3 | 62.6 | 61.0 | 60.4 | 60.2 | 60.2 | 60.3 | 60.5 |
| 47 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 69.5 | 62.4 | 60.5 | 59.8 | 59.5 | 59.6 | 59.7 | 59.9 | 60.2 |
| 48 | 0. | 0. | 0. | 0. | 0. | 0. | 78.4 | 62.5 | 60.0 | 59.1 | 58.9 | 58.9 | 59.1 | 59.3 | 59.6 | 60.0 |
| 49 | 0. | 0. | 0. | 0. | 0. | 0. | 63.3 | 59.6 | 58.4 | 58.1 | 58.2 | 58.4 | 58.7 | 59.0 | 59.4 | 59.8 |
| 50 | 0. | 0. | 0. | 0. | 0. | 65.9 | 59.3 | 57.8 | 57.4 | 57.4 | 57.7 | 58.0 | 58.4 | 58.8 | 59.2 | 59.6 |
| 51 | 0. | 0. | 0. | 0. | 86.3 | 59.5 | 57.2 | 56.6 | 56.6 | 56.9 | 57.3 | 57.7 | 58.1 | 58.6 | 59.0 | 59.4 |
| 52 | 0. | 0. | 0. | 0. | 60.9 | 56.7 | 55.8 | 55.7 | 56.0 | 56.5 | 56.9 | 57.4 | 57.9 | 58.4 | 58.9 | 59.3 |
| 53 | 0. | 0. | 0. | 67.3 | 56.5 | 55.0 | 54.8 | 55.1 | 55.6 | 56.1 | 56.7 | 57.2 | 57.8 | 58.3 | 58.8 | 59.2 |
| 54 | 0. | 0. | 0. | 57.2 | 54.2 | 53.8 | 54.1 | 54.6 | 55.2 | 55.8 | 56.4 | 57.0 | 57.6 | 58.2 | 58.7 | 59.1 |
| 55 | 0. | 0. | 61.7 | 53.7 | 52.8 | 53.0 | 53.5 | 54.2 | 54.9 | 55.6 | 56.3 | 56.9 | 57.5 | 58.1 | 58.6 | 59.1 |
| 56 | 0. | 0. | 54.0 | 51.8 | 51.8 | 52.3 | 53.1 | 53.9 | 54.7 | 55.4 | 56.1 | 56.8 | 57.4 | 58.0 | 58.5 | 59.0 |
| 57 | 0. | 58.2 | 51.0 | 50.5 | 51.0 | 51.9 | 52.7 | 53.6 | 54.5 | 55.2 | 56.0 | 56.7 | 57.3 | 57.9 | 58.4 | 59.0 |
| 58 | 0. | 51.0 | 49.2 | 49.6 | 50.5 | 51.5 | 52.5 | 53.4 | 54.3 | 55.1 | 55.9 | 56.6 | 57.2 | 57.8 | 58.4 | 58.9 |
| 59 | 56.2 | 48.0 | 48.0 | 48.9 | 50.0 | 51.1 | 52.2 | 53.2 | 54.1 | 55.0 | 55.8 | 56.5 | 57.2 | 57.8 | 58.3 | 58.9 |
| 60 | 47.8 | 46.3 | 47.1 | 48.4 | 49.7 | 50.9 | 52.0 | 53.1 | 54.0 | 54.9 | 55.7 | 56.4 | 57.1 | 57.7 | 58.3 | 58.8 |
| 61 | 44.8 | 45.2 | 46.5 | 48.0 | 49.4 | 50.7 | 51.9 | 52.9 | 53.9 | 54.8 | 55.6 | 56.4 | 57.1 | 57.7 | 58.3 | 58.8 |
| 62 | 43.0 | 44.3 | 46.0 | 47.6 | 49.1 | 50.5 | 51.7 | 52.8 | 53.8 | 54.7 | 55.6 | 56.3 | 57.0 | 57.7 | 58.2 | 58.8 |

OXFORD

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.54

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.4 | 20.5 | 18.5 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19.8 | 17.5 | 16.7 | 16.3 | 16.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 17.2 | 15.9 | 15.4 | 15.3 | 15.2 | 15.2 | 15.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 21.1 | 15.7 | 14.7 | 14.4 | 14.4 | 14.4 | 14.5 | 14.6 | 14.7 | 14.9 |
| 16 | 0. | 0. | 0. | 0. | 29.0 | 14.7 | 13.7 | 13.5 | 13.5 | 13.6 | 13.7 | 13.9 | 14.1 | 14.3 | 14.5 | 14.7 |
| 17 | 0. | 0. | 0. | 14.2 | 12.7 | 12.4 | 12.5 | 12.7 | 12.9 | 13.2 | 13.4 | 13.7 | 13.9 | 14.1 | 14.3 | 14.6 |
| 18 | 0. | 26.3 | 11.7 | 11.3 | 11.4 | 11.7 | 12.0 | 12.3 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.0 | 14.3 | 14.5 |
| 19 | 12.2 | 10.1 | 10.2 | 10.5 | 10.9 | 11.3 | 11.7 | 12.1 | 12.5 | 12.8 | 13.1 | 13.4 | 13.7 | 14.0 | 14.2 | 14.4 |
| 20 | 8.8 | 9.1 | 9.6 | 10.2 | 10.7 | 11.1 | 11.6 | 12.0 | 12.4 | 12.7 | 13.0 | 13.4 | 13.6 | 13.9 | 14.2 | 14.4 |
| 21 | 8.0 | 8.7 | 9.3 | 9.9 | 10.5 | 11.0 | 11.5 | 11.9 | 12.3 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 |
| 22 | 7.7 | 8.5 | 9.2 | 9.8 | 10.4 | 10.9 | 11.4 | 11.8 | 12.2 | 12.6 | 13.0 | 13.3 | 13.6 | 13.9 | 14.1 | 14.3 |
| 23 | 7.5 | 8.3 | 9.1 | 9.7 | 10.3 | 10.9 | 11.4 | 11.8 | 12.2 | 12.6 | 12.9 | 13.3 | 13.6 | 13.8 | 14.1 | 14.3 |
| 24 | 7.4 | 8.2 | 9.0 | 9.7 | 10.3 | 10.8 | 11.3 | 11.8 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 25 | 7.3 | 8.2 | 9.0 | 9.6 | 10.2 | 10.8 | 11.3 | 11.8 | 12.2 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 26 | 7.3 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 27 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.2 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 28 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.8 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 29 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.7 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 30 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.7 | 11.3 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 31 | 7.2 | 8.1 | 8.9 | 9.6 | 10.2 | 10.7 | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |
| 32 | 7.2 | 8.1 | 8.8 | 9.5 | 10.2 | 10.7 | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.56

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.4 | 20.2 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 19.3 | 17.7 | 17.0 | 16.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.0 | 17.1 | 16.2 | 15.9 | 15.7 | 15.7 | 15.7 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 17.9 | 15.7 | 15.1 | 14.9 | 14.9 | 14.9 | 15.0 | 15.1 | 15.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 17.1 | 14.6 | 14.1 | 14.0 | 14.0 | 14.1 | 14.3 | 14.5 | 14.6 | 14.8 | 15.0 |
| 17 | 0. | 0. | 0. | 19.7 | 13.7 | 13.1 | 13.0 | 13.1 | 13.3 | 13.5 | 13.7 | 14.0 | 14.2 | 14.4 | 14.6 | 14.9 |
| 18 | 0. | 0. | 13.4 | 12.0 | 11.9 | 12.1 | 12.4 | 12.6 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 | 14.5 | 14.8 |
| 19 | 0. | 11.1 | 10.7 | 10.9 | 11.3 | 11.6 | 12.0 | 12.4 | 12.7 | 13.1 | 13.4 | 13.7 | 14.0 | 14.2 | 14.5 | 14.7 |
| 20 | 9.5 | 9.6 | 10.0 | 10.5 | 10.9 | 11.4 | 11.8 | 12.2 | 12.6 | 13.0 | 13.3 | 13.6 | 13.9 | 14.2 | 14.4 | 14.7 |
| 21 | 8.4 | 9.0 | 9.6 | 10.2 | 10.7 | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.3 | 13.6 | 13.9 | 14.1 | 14.4 | 14.6 |
| 22 | 7.9 | 8.7 | 9.4 | 10.0 | 10.6 | 11.2 | 11.5 | 12.1 | 12.5 | 12.9 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 |
| 23 | 7.7 | 8.5 | 9.3 | 9.9 | 10.5 | 11.1 | 11.6 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 |
| 24 | 7.6 | 8.4 | 9.2 | 9.9 | 10.5 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 25 | 7.5 | 8.4 | 9.1 | 9.8 | 10.5 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 26 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 27 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 28 | 7.4 | 8.3 | 9.1 | 9.8 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 29 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 11.0 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 30 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 10.9 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 31 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 10.9 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |
| 32 | 7.3 | 8.2 | 9.0 | 9.7 | 10.4 | 10.9 | 11.5 | 11.9 | 12.4 | 12.8 | 13.1 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.58

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.3 |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.5 | 19.1 | 17.9 | 17.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 18.9 | 17.2 | 16.6 | 16.3 | 16.2 | 16.1 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 17.1 | 15.9 | 15.5 | 15.4 | 15.3 | 15.4 | 15.5 | 15.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 28.5 | 16.0 | 14.9 | 14.5 | 14.5 | 14.5 | 14.7 | 14.8 | 15.0 | 15.1 | 15.3 |
| 17 | 0. | 0. | 0. | 0. | 15.4 | 13.9 | 13.5 | 13.5 | 13.7 | 13.9 | 14.1 | 14.3 | 14.5 | 14.7 | 15.0 | 15.2 |
| 18 | 0. | 0. | 18.4 | 13.0 | 12.5 | 12.5 | 12.7 | 13.0 | 13.3 | 13.5 | 13.8 | 14.1 | 14.3 | 14.6 | 14.8 | 15.1 |
| 19 | 0. | 12.9 | 11.4 | 11.4 | 11.6 | 12.0 | 12.3 | 12.7 | 13.0 | 13.4 | 13.7 | 14.0 | 14.2 | 14.5 | 14.8 | 15.0 |
| 20 | 10.6 | 10.1 | 10.4 | 10.8 | 11.2 | 11.7 | 12.1 | 12.5 | 12.9 | 13.2 | 13.6 | 13.9 | 14.2 | 14.4 | 14.7 | 14.9 |
| 21 | 8.8 | 9.3 | 9.9 | 10.5 | 11.0 | 11.5 | 12.0 | 12.4 | 12.8 | 13.2 | 13.5 | 13.8 | 14.1 | 14.4 | 14.7 | 14.9 |
| 22 | 8.2 | 9.0 | 9.6 | 10.3 | 10.9 | 11.4 | 11.9 | 12.3 | 12.7 | 13.1 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 | 14.9 |
| 23 | 7.9 | 8.8 | 9.5 | 10.2 | 10.8 | 11.3 | 11.8 | 12.3 | 12.7 | 13.1 | 13.4 | 13.8 | 14.1 | 14.4 | 14.6 | 14.9 |
| 24 | 7.8 | 8.6 | 9.4 | 10.1 | 10.7 | 11.3 | 11.8 | 12.2 | 12.7 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.9 |
| 25 | 7.7 | 8.5 | 9.3 | 10.0 | 10.7 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 26 | 7.6 | 8.5 | 9.3 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 27 | 7.5 | 8.4 | 9.2 | 10.0 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 28 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.2 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 29 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.2 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 30 | 7.5 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.1 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 31 | 7.4 | 8.4 | 9.2 | 9.9 | 10.6 | 11.1 | 11.7 | 12.1 | 12.6 | 13.0 | 13.4 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |
| 32 | 7.4 | 8.4 | 9.2 | 9.9 | 10.5 | 11.1 | 11.7 | 12.1 | 12.6 | 13.0 | 13.3 | 13.7 | 14.0 | 14.3 | 14.6 | 14.8 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.65

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 21.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 20.8 | 19.1 | 18.3 | 18.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 18.8 | 17.7 | 17.2 | 17.0 | 17.0 | 17.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.5 | 17.6 | 16.6 | 16.2 | 16.1 | 16.2 | 16.2 | 16.3 | 16.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 24.1 | 16.6 | 15.6 | 15.3 | 15.3 | 15.3 | 15.5 | 15.7 | 15.8 | 16.0 | 16.2 |
| 18 | 0. | 0. | 0. | 0. | 16.3 | 14.7 | 14.3 | 14.3 | 14.5 | 14.7 | 14.9 | 15.1 | 15.4 | 15.6 | 15.8 | 16.0 |
| 19 | 0. | 0. | 22.6 | 13.9 | 13.3 | 13.3 | 13.5 | 13.8 | 14.1 | 14.4 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 | 15.9 |
| 20 | 0. | 14.8 | 12.3 | 12.2 | 12.4 | 12.7 | 13.1 | 13.5 | 13.8 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.6 | 15.9 |
| 21 | 12.1 | 10.9 | 11.1 | 11.5 | 11.9 | 12.4 | 12.8 | 13.3 | 13.7 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.8 |
| 22 | 9.6 | 10.0 | 10.6 | 11.1 | 11.7 | 12.2 | 12.7 | 13.1 | 13.6 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.5 | 15.8 |
| 23 | 8.8 | 9.6 | 10.3 | 10.9 | 11.5 | 12.1 | 12.6 | 13.1 | 13.5 | 13.9 | 14.3 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 |
| 24 | 8.5 | 9.3 | 10.1 | 10.8 | 11.4 | 12.0 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 |
| 25 | 8.3 | 9.2 | 10.0 | 10.7 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 |
| 26 | 8.1 | 9.1 | 9.9 | 10.6 | 11.3 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.7 |
| 27 | 8.1 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.4 | 15.7 |
| 28 | 8.0 | 9.0 | 9.8 | 10.6 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.2 | 14.5 | 14.8 | 15.2 | 15.4 | 15.7 |
| 29 | 8.0 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 30 | 7.9 | 8.9 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.8 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 31 | 7.9 | 8.9 | 9.7 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.3 | 13.7 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |
| 32 | 7.9 | 8.9 | 9.7 | 10.5 | 11.2 | 11.8 | 12.3 | 12.9 | 13.3 | 13.7 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.66

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 22.2 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.0 | 19.7 | 18.7 | 18.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.2 | 19.7 | 18.2 | 17.6 | 17.3 | 17.2 | 17.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.6 | 18.3 | 17.0 | 16.5 | 16.4 | 16.4 | 16.4 | 16.5 | 16.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 17.5 | 16.0 | 15.6 | 15.5 | 15.5 | 15.7 | 15.8 | 16.0 | 16.2 | 16.4 |
| 18 | 0. | 0. | 0. | 0. | 17.7 | 15.1 | 14.6 | 14.6 | 14.7 | 14.8 | 15.1 | 15.3 | 15.5 | 15.7 | 16.0 | 16.2 |
| 19 | 0. | 0. | 0. | 14.6 | 13.6 | 13.5 | 13.7 | 13.9 | 14.2 | 14.5 | 14.8 | 15.1 | 15.3 | 15.6 | 15.8 | 16.1 |
| 20 | 0. | 18.0 | 12.7 | 12.4 | 12.6 | 12.9 | 13.2 | 13.6 | 13.9 | 14.3 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.0 |
| 21 | 13.5 | 11.2 | 11.3 | 11.7 | 12.1 | 12.5 | 13.0 | 13.4 | 13.8 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 15.9 |
| 22 | 9.8 | 10.2 | 10.7 | 11.3 | 11.8 | 12.3 | 12.8 | 13.3 | 13.7 | 14.1 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 15.9 |
| 23 | 9.0 | 9.7 | 10.4 | 11.0 | 11.6 | 12.2 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 24 | 8.6 | 9.4 | 10.2 | 10.9 | 11.5 | 12.1 | 12.6 | 13.1 | 13.6 | 14.0 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 25 | 8.4 | 9.3 | 10.1 | 10.8 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 |
| 26 | 8.2 | 9.2 | 10.0 | 10.7 | 11.4 | 12.0 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 27 | 8.1 | 9.1 | 9.9 | 10.7 | 11.3 | 12.0 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 28 | 8.1 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 29 | 8.0 | 9.0 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 30 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.8 |
| 31 | 8.0 | 9.0 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.0 | 13.4 | 13.9 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.8 |
| 32 | 8.0 | 8.9 | 9.8 | 10.6 | 11.3 | 11.9 | 12.4 | 13.0 | 13.4 | 13.9 | 14.2 | 14.6 | 14.9 | 15.3 | 15.5 | 15.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.67

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.2 | 23.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.6 | 20.3 | 19.2 | 18.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.7 | 18.7 | 17.9 | 17.6 | 17.4 | 17.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19.2 | 17.5 | 16.9 | 16.6 | 16.6 | 16.6 | 16.7 | 16.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 18.5 | 16.5 | 15.9 | 15.7 | 15.8 | 15.9 | 16.0 | 16.2 | 16.3 | 16.5 |
| 18 | 0. | 0. | 0. | 0. | 19.9 | 15.6 | 14.9 | 14.8 | 14.9 | 15.0 | 15.2 | 15.4 | 15.7 | 15.9 | 16.1 | 16.3 |
| 19 | 0. | 0. | 0. | 15.4 | 14.0 | 13.8 | 13.9 | 14.1 | 14.4 | 14.6 | 14.9 | 15.2 | 15.5 | 15.7 | 16.0 | 16.2 |
| 20 | 0. | 0. | 13.2 | 12.7 | 12.8 | 13.1 | 13.4 | 13.7 | 14.1 | 14.4 | 14.7 | 15.1 | 15.3 | 15.6 | 15.9 | 16.1 |
| 21 | 17.2 | 11.6 | 11.5 | 11.8 | 12.2 | 12.7 | 13.1 | 13.5 | 13.9 | 14.3 | 14.6 | 15.0 | 15.3 | 15.5 | 15.8 | 16.1 |
| 22 | 10.1 | 10.4 | 10.9 | 11.4 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.0 |
| 23 | 9.2 | 9.8 | 10.5 | 11.2 | 11.7 | 12.3 | 12.8 | 13.3 | 13.7 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.7 | 16.0 |
| 24 | 8.7 | 9.5 | 10.3 | 11.0 | 11.6 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 25 | 8.5 | 9.[illegible] | 10.2 | 10.9 | 11.5 | 12.1 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 26 | 8.3 | 9.2 | 10.1 | 10.8 | 11.5 | 12.1 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 |
| 27 | 8.2 | 9.2 | 10.0 | 10.8 | 11.4 | 12.1 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 |
| 28 | 8.2 | 9.1 | 10.0 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.6 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 |
| 29 | 8.1 | 9.1 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 30 | 8.1 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 31 | 8.0 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.5 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |
| 32 | 8.0 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.5 | 13.1 | 13.5 | 14.0 | 14.4 | 14.7 | 15.1 | 15.4 | 15.7 | 15.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.68

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 | 21.1 | 19.7 | 19.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 19.3 | 18.3 | 17.9 | 17.7 | 17.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.4 | 18.0 | 17.2 | 16.9 | 16.8 | 16.8 | 16.9 | 17.0 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 20.0 | 17.0 | 16.2 | 16.0 | 16.0 | 16.0 | 16.2 | 16.3 | 16.5 | 16.7 |
| 18 | 0. | 0. | 0. | 0. | 25.5 | 16.3 | 15.3 | 15.0 | 15.1 | 15.2 | 15.4 | 15.6 | 15.8 | 16.0 | 16.3 | 16.5 |
| 19 | 0. | 0. | 0. | 16.5 | 14.4 | 14.0 | 14.1 | 14.3 | 14.5 | 14.8 | 15.1 | 15.3 | 15.6 | 15.9 | 16.1 | 16.3 |
| 20 | 0. | 0. | 13.9 | 13.0 | 13.0 | 13.2 | 13.5 | 13.9 | 14.2 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.0 | 16.3 |
| 21 | 0. | 12.1 | 11.8 | 12.0 | 12.4 | 12.8 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 15.9 | 16.2 |
| 22 | 10.5 | 10.6 | 11.0 | 11.5 | 12.1 | 12.6 | 13.0 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 23 | 9.3 | 10.0 | 10.6 | 11.3 | 11.9 | 12.4 | 12.9 | 13.4 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 |
| 24 | 8.8 | 9.7 | 10.4 | 11.1 | 11.7 | 12.3 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.8 | 16.1 |
| 25 | 8.6 | 9.5 | 10.3 | 11.0 | 11.6 | 12.2 | 12.8 | 13.3 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 26 | 8.4 | 9.3 | 10.2 | 10.9 | 11.6 | 12.2 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 27 | 8.3 | 9.3 | 10.1 | 10.9 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 28 | 8.2 | 9.2 | 10.1 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 |
| 29 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 30 | 8.1 | 9.1 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 31 | 8.1 | 9.1 | 10.0 | 10.8 | 11.4 | 12.1 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |
| 32 | 8.1 | 9.1 | 10.0 | 10.7 | 11.4 | 12.1 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.69

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.6 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.6 | 22.1 | 20.2 | 19.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.1 | 19.9 | 18.7 | 18.2 | 17.9 | 17.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 18.6 | 17.6 | 17.2 | 17.1 | 17.0 | 17.1 | 17.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 22.5 | 17.6 | 16.6 | 16.3 | 16.2 | 16.2 | 16.3 | 16.5 | 16.7 | 16.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 17.0 | 15.6 | 15.3 | 15.3 | 15.4 | 15.6 | 15.8 | 16.0 | 16.2 | 16.4 | 16.6 |
| 19 | 0. | 0. | 0. | 18.4 | 14.8 | 14.3 | 14.3 | 14.5 | 14.7 | 15.0 | 15.2 | 15.5 | 15.7 | 16.0 | 16.2 | 16.5 |
| 20 | 0. | 0. | 14.7 | 13.3 | 13.2 | 13.4 | 13.7 | 14.0 | 14.4 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 | 16.4 |
| 21 | 0. | 12.7 | 12.0 | 12.2 | 12.6 | 13.0 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.3 |
| 22 | 11.0 | 10.8 | 11.2 | 11.7 | 12.2 | 12.7 | 13.2 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 23 | 9.5 | 10.1 | 10.8 | 11.4 | 12.0 | 12.5 | 13.0 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 24 | 9.0 | 9.8 | 10.5 | 11.2 | 11.8 | 12.4 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.2 |
| 25 | 8.7 | 9.6 | 10.4 | 11.1 | 11.7 | 12.3 | 12.9 | 13.4 | 13.8 | 14.3 | 14.6 | 15.0 | 15.3 | 15.7 | 15.9 | 16.2 |
| 26 | 8.5 | 9.4 | 10.3 | 11.0 | 11.7 | 12.3 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 27 | 8.4 | 9.3 | 10.2 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 28 | 8.3 | 9.3 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 29 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 |
| 30 | 8.2 | 9.2 | 10.1 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |
| 31 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |
| 32 | 8.2 | 9.2 | 10.0 | 10.8 | 11.5 | 12.2 | 12.7 | 13.3 | 13.7 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 |

## MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

### YARN BULK DENSITY =0.70

### OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.4 | 20.8 | 19.8 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 20.8 | 19.2 | 18.5 | 18.2 | 18.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.0 | 19.3 | 18.0 | 17.5 | 17.3 | 17.2 | 17.3 | 17.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 18.3 | 17.0 | 16.5 | 16.4 | 16.4 | 16.5 | 16.7 | 16.8 | 17.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 18.0 | 16.1 | 15.6 | 15.5 | 15.6 | 15.7 | 15.9 | 16.1 | 16.3 | 16.5 | 16.8 |
| 19 | 0. | 0. | 0. | 22.3 | 15.4 | 14.6 | 14.5 | 14.7 | 14.9 | 15.1 | 15.4 | 15.6 | 15.9 | 16.1 | 16.4 | 16.6 |
| 20 | 0. | 0. | 16.0 | 13.7 | 13.5 | 13.6 | 13.9 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 |
| 21 | 0. | 13.4 | 12.3 | 12.4 | 12.7 | 13.1 | 13.5 | 13.9 | 14.3 | 14.7 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 22 | 11.5 | 11.0 | 11.4 | 11.8 | 12.3 | 12.8 | 13.3 | 13.7 | 14.2 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.1 | 16.4 |
| 23 | 9.7 | 10.3 | 10.9 | 11.5 | 12.1 | 12.6 | 13.1 | 13.6 | 14.1 | 14.5 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 24 | 9.1 | 9.9 | 10.6 | 11.3 | 11.9 | 12.5 | 13.1 | 13.5 | 14.0 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 |
| 25 | 8.8 | 9.7 | 10.5 | 11.2 | 11.8 | 12.4 | 13.0 | 13.5 | 13.9 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.3 |
| 26 | 8.6 | 9.5 | 10.3 | 11.1 | 11.8 | 12.4 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.8 | 16.0 | 16.3 |
| 27 | 8.5 | 9.4 | 10.3 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 28 | 8.4 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 29 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 30 | 8.3 | 9.3 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 31 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.3 | 12.8 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 |
| 32 | 8.2 | 9.2 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.3 | 13.8 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.71

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 9 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 10 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 11 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 12 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 13 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.7 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.1 | 21.5 | 20.2 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.2 | 21.8 | 19.7 | 18.9 | 18.5 | 18.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 20.1 | 18.4 | 17.8 | 17.6 | 17.5 | 17.5 | 17.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 19.2 | 17.4 | 16.8 | 16.7 | 16.6 | 16.7 | 16.8 | 17.0 | 17.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 19.4 | 16.5 | 15.9 | 15.7 | 15.8 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.9 |
| 19 | 0. | 0. | 0. | 0. | 16.0 | 14.9 | 14.8 | 14.8 | 15.0 | 15.3 | 15.5 | 15.8 | 16.0 | 16.3 | 16.5 | 16.7 |
| 20 | 0. | 0. | 18.0 | 14.1 | 13.7 | 13.8 | 14.0 | 14.3 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.1 | 16.4 | 16.6 |
| 21 | 0. | 14.5 | 12.7 | 12.6 | 12.9 | 13.3 | 13.6 | 14.0 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.0 | 16.3 | 16.6 |
| 22 | 12.3 | 11.3 | 11.5 | 12.0 | 12.5 | 12.9 | 13.4 | 13.9 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 |
| 23 | 10.0 | 10.4 | 11.0 | 11.6 | 12.2 | 12.8 | 13.3 | 13.7 | 14.2 | 14.6 | 15.0 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 24 | 9.2 | 10.0 | 10.7 | 11.4 | 12.0 | 12.6 | 13.2 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 25 | 8.9 | 9.8 | 10.6 | 11.3 | 11.9 | 12.5 | 13.1 | 13.6 | 14.0 | 14.5 | 14.9 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 |
| 26 | 8.7 | 9.6 | 10.4 | 11.2 | 11.9 | 12.5 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.4 |
| 27 | 8.5 | 9.5 | 10.4 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.4 |
| 28 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 29 | 8.4 | 9.4 | 10.3 | 11.0 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 30 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 31 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.5 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |
| 32 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.72

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 22.3 | 20.7 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.1 | 20.3 | 19.3 | 18.8 | 18.6 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.2 | 18.9 | 18.1 | 17.8 | 17.7 | 17.7 | 17.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.4 | 17.9 | 17.1 | 16.9 | 16.9 | 16.9 | 17.0 | 17.1 | 17.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 21.6 | 17.1 | 16.2 | 16.0 | 16.0 | 16.1 | 16.3 | 16.4 | 16.6 | 16.8 | 17.0 |
| 19 | 0. | 0. | 0. | 0. | 16.8 | 15.3 | 15.0 | 15.0 | 15.2 | 15.4 | 15.7 | 15.9 | 16.2 | 16.4 | 16.6 | 16.9 |
| 20 | 0. | 0. | 23.5 | 14.6 | 14.0 | 14.0 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 | 16.8 |
| 21 | 0. | 16.2 | 13.0 | 12.8 | 13.1 | 13.4 | 13.8 | 14.2 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.4 | 16.7 |
| 22 | 13.5 | 11.6 | 11.7 | 12.1 | 12.6 | 13.1 | 13.5 | 14.0 | 14.4 | 14.8 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 23 | 10.2 | 10.6 | 11.2 | 11.8 | 12.3 | 12.9 | 13.4 | 13.8 | 14.3 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.3 | 16.6 |
| 24 | 9.4 | 10.1 | 10.9 | 11.5 | 12.2 | 12.7 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 25 | 9.0 | 9.9 | 10.7 | 11.4 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 |
| 26 | 8.8 | 9.7 | 10.5 | 11.3 | 12.0 | 12.6 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 |
| 27 | 8.6 | 9.6 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 |
| 28 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 29 | 8.5 | 9.5 | 10.3 | 11.1 | 11.8 | 12.5 | 13.0 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.5 |
| 30 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.6 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.3 | 16.5 |
| 31 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 32 | 8.3 | 9.4 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 33 | 8.3 | 9.3 | 10.2 | 11.0 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 34 | 8.3 | 9.3 | 10.2 | 11.0 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 35 | 8.3 | 9.3 | 10.2 | 11.0 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 36 | 8.3 | 9.3 | 10.2 | 11.0 | 11.8 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 37 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |
| 38 | 8.3 | 9.3 | 10.2 | 11.0 | 11.7 | 12.4 | 13.0 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.73

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.1 | 23.3 | 21.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.9 | 20.9 | 19.7 | 19.1 | 18.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.6 | 19.5 | 18.5 | 18.1 | 17.9 | 17.9 | 17.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.0 | 18.4 | 17.5 | 17.2 | 17.1 | 17.1 | 17.2 | 17.3 | 17.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 26.5 | 17.7 | 16.6 | 16.2 | 16.2 | 16.3 | 16.4 | 16.6 | 16.8 | 17.0 | 17.2 |
| 19 | 0. | 0. | 0. | 0. | 17.9 | 15.7 | 15.3 | 15.3 | 15.4 | 15.6 | 15.8 | 16.1 | 16.3 | 16.5 | 16.8 | 17.0 |
| 20 | 0. | 0. | 0. | 15.2 | 14.3 | 14.2 | 14.4 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 16.9 |
| 21 | 0. | 20.4 | 13.5 | 13.1 | 13.3 | 13.6 | 13.9 | 14.3 | 14.7 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.8 |
| 22 | 15.6 | 12.0 | 11.9 | 12.3 | 12.7 | 13.2 | 13.7 | 14.1 | 14.5 | 14.9 | 15.3 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 |
| 23 | 10.5 | 10.8 | 11.3 | 11.9 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.7 |
| 24 | 9.6 | 10.3 | 11.0 | 11.6 | 12.3 | 12.8 | 13.4 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 25 | 9.1 | 10.0 | 10.8 | 11.5 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 |
| 26 | 8.9 | 9.8 | 10.6 | 11.4 | 12.1 | 12.7 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 27 | 8.7 | 9.7 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 |
| 28 | 8.6 | 9.6 | 10.5 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 |
| 29 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.1 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 |
| 30 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.7 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 31 | 8.4 | 9.5 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 32 | 8.4 | 9.4 | 10.3 | 11.1 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.6 |
| 33 | 8.4 | 9.4 | 10.3 | 11.1 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.4 | 16.6 |
| 34 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.4 | 16.6 |
| 35 | 8.4 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.4 | 16.6 |
| 36 | 8.3 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 37 | 8.3 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |
| 38 | 8.3 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.74

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 21.9 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 21.7 | 20.1 | 19.4 | 19.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 20.1 | 18.9 | 18.4 | 18.2 | 18.1 | 18.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 19.1 | 17.9 | 17.4 | 17.3 | 17.3 | 17.4 | 17.5 | 17.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 18.5 | 16.9 | 16.5 | 16.4 | 16.5 | 16.6 | 16.8 | 16.9 | 17.1 | 17.3 |
| 19 | 0. | 0. | 0. | 0. | 19.4 | 16.2 | 15.6 | 15.5 | 15.6 | 15.8 | 16.0 | 16.2 | 16.4 | 16.7 | 16.9 | 17.1 |
| 20 | 0. | 0. | 0. | 16.0 | 14.6 | 14.5 | 14.6 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.5 | 16.8 | 17.0 |
| 21 | 0. | 0. | 14.0 | 13.4 | 13.4 | 13.7 | 14.1 | 14.4 | 14.8 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 22 | 25.1 | 12.4 | 12.2 | 12.5 | 12.9 | 13.3 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 |
| 23 | 10.9 | 11.0 | 11.5 | 12.0 | 12.6 | 13.1 | 13.6 | 14.1 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 |
| 24 | 9.7 | 10.4 | 11.1 | 11.8 | 12.4 | 12.9 | 13.5 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.8 |
| 25 | 9.2 | 10.1 | 10.9 | 11.6 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 |
| 26 | 9.0 | 9.9 | 10.7 | 11.5 | 12.2 | 12.8 | 13.3 | 13.9 | 14.3 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 27 | 8.8 | 9.8 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 28 | 8.7 | 9.7 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 |
| 29 | 8.6 | 9.6 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 30 | 8.5 | 9.6 | 10.5 | 11.3 | 12.0 | 12.6 | 13.2 | 13.8 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 31 | 8.5 | 9.5 | 10.4 | 11.2 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 32 | 8.5 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 33 | 8.4 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 34 | 8.4 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 35 | 8.4 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 |
| 36 | 8.4 | 9.4 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.7 |
| 37 | 8.4 | 9.4 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.7 |
| 38 | 8.4 | 9.4 | 10.4 | 11.2 | 11.9 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.75

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 22.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.9 | 22.7 | 20.6 | 19.8 | 19.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 20.9 | 19.3 | 18.7 | 18.4 | 18.3 | 18.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.6 | 19.8 | 18.3 | 17.7 | 17.5 | 17.5 | 17.5 | 17.6 | 17.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 19.5 | 17.4 | 16.8 | 16.6 | 16.7 | 16.8 | 16.9 | 17.1 | 17.3 | 17.5 |
| 19 | 0. | 0. | 0. | 0. | 22.1 | 16.7 | 15.9 | 15.7 | 15.8 | 15.9 | 16.1 | 16.4 | 16.6 | 16.8 | 17.1 | 17.3 |
| 20 | 0. | 0. | 0. | 17.0 | 15.0 | 14.7 | 14.8 | 15.0 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 16.9 | 17.2 |
| 21 | 0. | 0. | 14.6 | 13.6 | 13.7 | 13.9 | 14.2 | 14.6 | 14.9 | 15.3 | 15.6 | 15.9 | 16.3 | 16.5 | 16.8 | 17.1 |
| 22 | 0. | 12.8 | 12.4 | 12.6 | 13.0 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.7 | 17.0 |
| 23 | 11.3 | 11.2 | 11.6 | 12.2 | 12.7 | 13.2 | 13.7 | 14.2 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 24 | 9.9 | 10.5 | 11.2 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.5 | 15.0 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 16.9 |
| 25 | 9.4 | 10.2 | 11.0 | 11.7 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 |
| 26 | 9.1 | 10.0 | 10.8 | 11.6 | 12.2 | 12.9 | 13.4 | 14.0 | 14.4 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 27 | 8.9 | 9.8 | 10.7 | 11.5 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 28 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 29 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.7 | 13.3 | 13.9 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 |
| 30 | 8.6 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 31 | 8.6 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 32 | 8.5 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 33 | 8.5 | 9.5 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 34 | 8.5 | 9.5 | 10.5 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 35 | 8.5 | 9.5 | 10.4 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 36 | 8.5 | 9.5 | 10.4 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 37 | 8.5 | 9.5 | 10.4 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |
| 38 | 8.4 | 9.5 | 10.4 | 11.3 | 12.0 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.76

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.8 | 23.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.9 | 21.2 | 20.2 | 19.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.1 | 21.8 | 19.8 | 19.0 | 18.7 | 18.5 | 18.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.8 | 18.7 | 18.0 | 17.8 | 17.7 | 17.7 | 17.8 | 17.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 20.8 | 17.8 | 17.1 | 16.9 | 16.9 | 16.9 | 17.1 | 17.2 | 17.4 | 17.6 |
| 19 | 0. | 0. | 0. | 0. | 30.3 | 17.3 | 16.2 | 15.9 | 16.0 | 16.1 | 16.3 | 16.5 | 16.7 | 17.0 | 17.2 | 17.4 |
| 20 | 0. | 0. | 0. | 18.4 | 15.4 | 15.0 | 15.0 | 15.1 | 15.4 | 15.7 | 16.0 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 |
| 21 | 0. | 0. | 15.4 | 14.0 | 13.9 | 14.1 | 14.4 | 14.7 | 15.1 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 16.9 | 17.2 |
| 22 | 0. | 13.4 | 12.7 | 12.8 | 13.2 | 13.6 | 14.0 | 14.5 | 14.9 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 | 17.1 |
| 23 | 11.8 | 11.4 | 11.8 | 12.3 | 12.8 | 13.3 | 13.8 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 |
| 24 | 10.1 | 10.7 | 11.3 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.6 | 15.1 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 25 | 9.5 | 10.3 | 11.1 | 11.8 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.0 |
| 26 | 9.2 | 10.1 | 10.9 | 11.7 | 12.3 | 13.0 | 13.5 | 14.1 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 |
| 27 | 9.0 | 9.9 | 10.8 | 11.6 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 14.9 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 28 | 8.8 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.4 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 29 | 8.7 | 9.8 | 10.7 | 11.5 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 30 | 8.7 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 |
| 31 | 8.6 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 32 | 8.6 | 9.6 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 33 | 8.6 | 9.6 | 10.5 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 34 | 8.5 | 9.6 | 10.5 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 35 | 8.5 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 36 | 8.5 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 37 | 8.5 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |
| 38 | 8.5 | 9.6 | 10.5 | 11.3 | 12.1 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.77

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 | 24.4 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 21.9 | 20.6 | 20.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.0 | 20.3 | 19.4 | 19.0 | 18.8 | 18.7 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.0 | 19.2 | 18.4 | 18.0 | 17.9 | 17.9 | 18.0 | 18.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 22.8 | 18.4 | 17.4 | 17.1 | 17.1 | 17.1 | 17.2 | 17.4 | 17.6 | 17.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 18.1 | 16.6 | 16.2 | 16.2 | 16.3 | 16.4 | 16.7 | 16.9 | 17.1 | 17.3 | 17.5 |
| 20 | 0. | 0. | 0. | 20.9 | 15.9 | 15.2 | 15.2 | 15.3 | 15.6 | 15.8 | 16.1 | 16.4 | 16.6 | 16.9 | 17.2 | 17.4 |
| 21 | 0. | 0. | 16.5 | 14.3 | 14.1 | 14.3 | 14.5 | 14.9 | 15.2 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.3 |
| 22 | 0. | 14.2 | 13.0 | 13.0 | 13.4 | 13.8 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 |
| 23 | 12.4 | 11.7 | 12.0 | 12.4 | 13.0 | 13.5 | 14.0 | 14.4 | 14.8 | 15.3 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 |
| 24 | 10.3 | 10.8 | 11.5 | 12.1 | 12.7 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 25 | 9.6 | 10.4 | 11.2 | 11.9 | 12.5 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 26 | 9.3 | 10.2 | 11.0 | 11.8 | 12.4 | 13.1 | 13.6 | 14.2 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.9 | 17.1 |
| 27 | 9.0 | 10.0 | 10.9 | 11.7 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.0 | 15.5 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 28 | 8.9 | 9.9 | 10.8 | 11.6 | 12.3 | 13.0 | 13.5 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 29 | 8.8 | 9.8 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.1 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 30 | 8.7 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 31 | 8.7 | 9.7 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 32 | 8.7 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 |
| 33 | 8.6 | 9.7 | 10.6 | 11.4 | 12.2 | 12.8 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 34 | 8.6 | 9.7 | 10.6 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 35 | 8.6 | 9.7 | 10.6 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 36 | 8.6 | 9.6 | 10.6 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 37 | 8.6 | 9.6 | 10.6 | 11.4 | 12.2 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |
| 38 | 8.6 | 9.6 | 10.6 | 11.4 | 12.1 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.78

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.1 | 25.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 22.6 | 21.0 | 20.3 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 20.9 | 19.8 | 19.2 | 19.0 | 18.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.7 | 19.8 | 18.7 | 18.3 | 18.1 | 18.1 | 18.2 | 18.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 26.5 | 19.0 | 17.8 | 17.4 | 17.3 | 17.3 | 17.4 | 17.6 | 17.7 | 17.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 19.0 | 17.0 | 16.5 | 16.4 | 16.5 | 16.6 | 16.8 | 17.0 | 17.2 | 17.5 | 17.7 |
| 20 | 0. | 0. | 0. | 27.8 | 16.4 | 15.5 | 15.4 | 15.5 | 15.7 | 16.0 | 16.2 | 16.5 | 16.8 | 17.0 | 17.3 | 17.5 |
| 21 | 0. | 0. | 18.2 | 14.7 | 14.3 | 14.4 | 14.7 | 15.0 | 15.3 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.4 |
| 22 | 0. | 15.3 | 13.3 | 13.2 | 13.5 | 13.9 | 14.3 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 |
| 23 | 13.2 | 11.9 | 12.1 | 12.6 | 13.1 | 13.6 | 14.1 | 14.5 | 15.0 | 15.4 | 15.8 | 16.1 | 16.4 | 16.8 | 17.1 | 17.3 |
| 24 | 10.6 | 11.0 | 11.6 | 12.2 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 25 | 9.8 | 10.5 | 11.3 | 12.0 | 12.6 | 13.3 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 26 | 9.4 | 10.3 | 11.1 | 11.8 | 12.5 | 13.2 | 13.7 | 14.3 | 14.7 | 15.2 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 |
| 27 | 9.1 | 10.1 | 11.0 | 11.7 | 12.5 | 13.1 | 13.7 | 14.2 | 14.7 | 15.1 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 28 | 9.0 | 10.0 | 10.9 | 11.7 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 29 | 8.9 | 9.9 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 30 | 8.8 | 9.8 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 31 | 8.8 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 32 | 8.7 | 9.8 | 10.7 | 11.5 | 12.3 | 12.9 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 33 | 8.7 | 9.7 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 |
| 34 | 8.7 | 9.7 | 10.7 | 11.5 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 35 | 8.6 | 9.7 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 36 | 8.6 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 37 | 8.6 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |
| 38 | 8.6 | 9.7 | 10.6 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.6 | 15.0 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.79

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.3 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.3 | 23.5 | 21.5 | 20.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.0 | 21.6 | 20.2 | 19.5 | 19.3 | 19.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 20.4 | 19.1 | 18.6 | 18.4 | 18.3 | 18.4 | 18.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 44.8 | 19.8 | 18.2 | 17.7 | 17.5 | 17.5 | 17.6 | 17.7 | 17.9 | 18.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 20.3 | 17.4 | 16.7 | 16.6 | 16.6 | 16.8 | 17.0 | 17.2 | 17.4 | 17.6 | 17.8 |
| 20 | 0. | 0. | 0. | 0. | 17.1 | 15.8 | 15.6 | 15.7 | 15.9 | 16.1 | 16.4 | 16.5 | 16.9 | 17.2 | 17.4 | 17.7 |
| 21 | 0. | 0. | 21.7 | 15.2 | 14.6 | 14.6 | 14.9 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 |
| 22 | 0. | 16.9 | 13.6 | 13.4 | 13.7 | 14.0 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 |
| 23 | 14.5 | 12.2 | 12.3 | 12.7 | 13.2 | 13.7 | 14.2 | 14.6 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 | 17.4 |
| 24 | 10.8 | 11.2 | 11.7 | 12.3 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 |
| 25 | 9.9 | 10.7 | 11.4 | 12.1 | 12.8 | 13.4 | 13.9 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 26 | 9.5 | 10.4 | 11.2 | 11.9 | 12.6 | 13.3 | 13.8 | 14.4 | 14.8 | 15.3 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 |
| 27 | 9.2 | 10.2 | 11.1 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.4 | 16.7 | 17.1 | 17.4 |
| 28 | 9.1 | 10.1 | 11.0 | 11.8 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 29 | 9.0 | 10.0 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 30 | 8.9 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 31 | 8.8 | 9.9 | 10.8 | 11.6 | 12.4 | 13.0 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 32 | 8.8 | 9.8 | 10.8 | 11.6 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 33 | 8.7 | 9.8 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 34 | 8.7 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 35 | 8.7 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.3 |
| 36 | 8.7 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 |
| 37 | 8.7 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.1 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 |
| 38 | 8.7 | 9.8 | 10.7 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.7 | 15.1 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 |

YARN BULK DENSITY =0.80

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.6 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.1 | 24.6 | 22.1 | 21.0 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.7 | 22.4 | 20.6 | 19.9 | 19.5 | 19.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.6 | 21.2 | 19.5 | 18.9 | 18.6 | 18.5 | 18.5 | 18.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 20.7 | 18.6 | 17.9 | 17.7 | 17.7 | 17.8 | 17.9 | 18.0 | 18.2 |
| 19 | 0. | 0. | 0. | 0. | 0. | 22.2 | 17.9 | 17.0 | 16.8 | 16.8 | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 | 18.0 |
| 20 | 0. | 0. | 0. | 0. | 17.9 | 16.2 | 15.9 | 15.9 | 16.0 | 16.3 | 16.5 | 16.8 | 17.0 | 17.3 | 17.6 | 17.8 |
| 21 | 0. | 0. | 0. | 15.7 | 14.9 | 14.8 | 15.0 | 15.3 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.4 | 17.7 |
| 22 | 0. | 20.6 | 14.0 | 13.7 | 13.9 | 14.2 | 14.6 | 15.0 | 15.4 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.3 | 17.6 |
| 23 | 17.0 | 12.6 | 12.5 | 12.9 | 13.4 | 13.8 | 14.3 | 14.8 | 15.2 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 24 | 11.2 | 11.3 | 11.9 | 12.5 | 13.1 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 |
| 25 | 10.1 | 10.8 | 11.5 | 12.2 | 12.9 | 13.5 | 14.0 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 26 | 9.6 | 10.5 | 11.3 | 12.0 | 12.7 | 13.4 | 13.9 | 14.5 | 14.9 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 |
| 27 | 9.3 | 10.3 | 11.1 | 11.9 | 12.6 | 13.3 | 13.9 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 |
| 28 | 9.1 | 10.1 | 11.0 | 11.8 | 12.6 | 13.2 | 13.8 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 |
| 29 | 9.0 | 10.1 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 30 | 8.9 | 10.0 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 31 | 8.9 | 9.9 | 10.9 | 11.7 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 32 | 8.8 | 9.9 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 33 | 8.8 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 34 | 8.8 | 9.9 | 10.8 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 35 | 8.8 | 9.8 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 36 | 8.8 | 9.8 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 37 | 8.7 | 9.8 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 |
| 38 | 8.7 | 9.8 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.3 | 14.8 | 15.2 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.81

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.7 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.0 | 22.7 | 21.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.0 | 23.4 | 21.1 | 20.2 | 19.8 | 19.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.2 | 20.0 | 19.2 | 18.9 | 18.7 | 18.7 | 18.8 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.9 | 19.1 | 18.2 | 18.0 | 17.9 | 17.9 | 18.1 | 18.2 | 18.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 25.7 | 18.5 | 17.4 | 17.1 | 17.0 | 17.1 | 17.3 | 17.5 | 17.7 | 17.9 | 18.1 |
| 20 | 0. | 0. | 0. | 0. | 19.0 | 16.6 | 16.1 | 16.1 | 16.2 | 16.4 | 16.7 | 16.9 | 17.2 | 17.4 | 17.7 | 17.9 |
| 21 | 0. | 0. | 0. | 16.3 | 15.2 | 15.0 | 15.2 | 15.5 | 15.8 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.8 |
| 22 | 0. | 0. | 14.5 | 13.9 | 14.0 | 14.4 | 14.7 | 15.1 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 | 17.7 |
| 23 | 34.8 | 13.0 | 12.7 | 13.1 | 13.5 | 14.0 | 14.4 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 |
| 24 | 11.5 | 11.5 | 12.0 | 12.6 | 13.2 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.7 | 17.0 | 17.4 | 17.6 |
| 25 | 10.3 | 10.9 | 11.6 | 12.3 | 13.0 | 13.6 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 26 | 9.7 | 10.6 | 11.4 | 12.1 | 12.8 | 13.5 | 14.0 | 14.6 | 15.0 | 15.5 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 |
| 27 | 9.4 | 10.4 | 11.2 | 12.0 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.6 |
| 28 | 9.2 | 10.2 | 11.1 | 11.9 | 12.7 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 |
| 29 | 9.1 | 10.1 | 11.1 | 11.9 | 12.6 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 |
| 30 | 9.0 | 10.1 | 11.0 | 11.8 | 12.6 | 13.2 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 31 | 8.9 | 10.0 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 32 | 8.9 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 33 | 8.9 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 34 | 8.8 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 35 | 8.8 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 36 | 8.8 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.4 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 37 | 8.8 | 9.9 | 10.8 | 11.7 | 12.5 | 13.2 | 13.8 | 14.3 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |
| 38 | 8.8 | 9.9 | 10.8 | 11.7 | 12.5 | 13.2 | 13.8 | 14.3 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.82

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.0 |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 23.4 | 21.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.7 | 21.7 | 20.6 | 20.1 | 19.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.4 | 20.5 | 19.5 | 19.1 | 19.0 | 18.9 | 19.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.6 | 19.6 | 18.6 | 18.2 | 18.1 | 18.1 | 18.2 | 18.3 | 18.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 41.5 | 19.2 | 17.7 | 17.3 | 17.2 | 17.3 | 17.4 | 17.6 | 17.8 | 18.0 | 18.2 |
| 20 | 0. | 0. | 0. | 0. | 20.5 | 17.0 | 16.4 | 16.3 | 16.4 | 16.6 | 16.8 | 17.1 | 17.3 | 17.6 | 17.8 | 18.0 |
| 21 | 0. | 0. | 0. | 17.1 | 15.5 | 15.3 | 15.4 | 15.6 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 17.9 |
| 22 | 0. | 0. | 15.1 | 14.2 | 14.2 | 14.5 | 14.9 | 15.2 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 |
| 23 | 0. | 13.4 | 13.0 | 13.2 | 13.6 | 14.1 | 14.6 | 15.0 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 |
| 24 | 11.9 | 11.7 | 12.2 | 12.7 | 13.3 | 13.8 | 14.4 | 14.8 | 15.3 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 |
| 25 | 10.4 | 11.1 | 11.8 | 12.4 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 26 | 9.8 | 10.7 | 11.5 | 12.2 | 12.9 | 13.5 | 14.1 | 14.7 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 27 | 9.5 | 10.5 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 |
| 28 | 9.3 | 10.3 | 11.2 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 |
| 29 | 9.2 | 10.2 | 11.1 | 12.0 | 12.7 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 |
| 30 | 9.1 | 10.1 | 11.1 | 11.9 | 12.7 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 |
| 31 | 9.0 | 10.1 | 11.0 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 32 | 9.0 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 33 | 8.9 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | [illegible] | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 34 | 8.9 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 35 | 8.9 | 10.0 | 10.9 | 11.8 | 12.6 | 13.3 | 13.9 | 14.4 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 36 | 8.9 | 10.0 | 10.9 | 11.8 | 12.6 | 13.2 | 13.9 | 14.4 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 37 | 8.9 | 10.0 | 10.9 | 11.8 | 12.5 | 13.2 | 13.9 | 14.4 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |
| 38 | 8.8 | 9.9 | 10.9 | 11.8 | 12.5 | 13.2 | 13.9 | 14.4 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.83

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.9 | 24.2 | 22.4 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 22.3 | 21.0 | 20.4 | 20.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 2[illegible].0 | 21.0 | 19.9 | 19.4 | 19.2 | 19.1 | 19.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 20.2 | 18.9 | 18.5 | 18.3 | 18.3 | 18.4 | 18.5 | 18.7 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 20.0 | 18.1 | 17.6 | 17.4 | 17.5 | 17.6 | 17.8 | 18.0 | 18.2 | 18.4 |
| 20 | 0. | 0. | 0. | 0. | 23.0 | 17.5 | 16.7 | 16.5 | 16.6 | 16.7 | 17.0 | 17.2 | 17.4 | 17.7 | 17.9 | 18.2 |
| 21 | 0. | 0. | 0. | 18.2 | 15.9 | 15.5 | 15.6 | 15.8 | 16.1 | 16.3 | 16.7 | 17.0 | 17.2 | 17.5 | 17.8 | 18.1 |
| 22 | 0. | 0. | 15.6 | 14.5 | 14.4 | 14.7 | 15.0 | 15.4 | 15.7 | 16.1 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 |
| 23 | 0. | 14.0 | 13.2 | 13.4 | 13.8 | 14.2 | 14.7 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 |
| 24 | 12.4 | 12.0 | 12.3 | 12.9 | 13.4 | 13.9 | 14.5 | 14.9 | 15.4 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 |
| 25 | 10.6 | 11.2 | 11.9 | 12.5 | 13.2 | 13.8 | 14.3 | 14.8 | 15.3 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 26 | 10.0 | 10.8 | 11.6 | 12.3 | 13.0 | 13.6 | 14.2 | 14.8 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 27 | 9.6 | 10.6 | 11.4 | 12.2 | 12.9 | 13.6 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.8 | 17.2 | 17.5 | 17.8 |
| 28 | 9.4 | 10.4 | 11.3 | 12.1 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 |
| 29 | 9.3 | 10.3 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 30 | 9.2 | 10.2 | 11.1 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 31 | 9.1 | 10.2 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 |
| 32 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.8 |
| 33 | 9.0 | 10.1 | 11.0 | 11.9 | 12.7 | 13.4 | 14.0 | 14.5 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 34 | 9.0 | 10.1 | 11.0 | 11.9 | 12.7 | 13.3 | 14.0 | 14.5 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 35 | 8.9 | 10.0 | 11.0 | 11.9 | 12.6 | 13.3 | 14.0 | 14.5 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 36 | 8.9 | 10.0 | 11.0 | 11.9 | 12.6 | 13.3 | 14.0 | 14.5 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 37 | 8.9 | 10.0 | 11.0 | 11.9 | 12.6 | 13.3 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |
| 38 | 8.9 | 10.0 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.84

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.3 | 25.2 | 22.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 23.0 | 21.4 | 20.7 | 20.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 21.7 | 20.[illegible] | 19.7 | 19.4 | 19.3 | 19.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 20.9 | 19.3 | 18.7 | 18.[illegible] | 18.5 | 18.6 | 18.7 | 18.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 21.0 | 18.5 | 17.8 | 17.7 | 17.7 | 17.8 | 17.9 | 18.1 | 18.3 | 18.5 |
| 20 | 0. | 0. | 0. | 0. | 28.9 | 18.1 | 17.0 | 16.7 | 16.8 | 16.9 | 17.1 | 17.3 | 17.6 | 17.8 | 18.1 | 18.3 |
| 21 | 0. | 0. | 0. | 19.7 | 16.3 | 15.8 | 15.8 | 15.9 | 16.2 | 16.5 | 16.8 | 17.1 | 17.4 | 17.6 | 17.9 | 18.2 |
| 22 | 0. | 0. | 16.7 | 14.8 | 14.7 | 14.8 | 15.2 | 15.5 | 15.9 | 16.2 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 |
| 23 | 0. | 14.7 | 13.5 | 13.6 | 13.9 | 14.4 | 14.8 | 15.2 | 15.7 | 16.1 | 16.4 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 |
| 24 | 13.0 | 12.2 | 12.5 | 13.0 | 13.5 | 14.1 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 |
| 25 | 10.9 | 11.4 | 12.0 | 12.7 | 13.3 | 13.9 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.6 | 17.0 | 17.3 | 17.7 | 17.9 |
| 26 | 10.1 | 10.9 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 17.9 |
| 27 | 9.7 | 10.7 | 11.5 | 12.3 | 13.0 | 13.7 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 |
| 28 | 9.5 | 10.5 | 11.4 | 12.2 | 12.9 | 13.6 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 |
| 29 | 9.3 | 10.4 | 11.3 | 12.1 | 12.9 | 13.5 | 14.2 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 |
| 30 | 9.2 | 10.3 | 11.2 | 12.1 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 31 | 9.1 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 32 | 9.1 | 10.2 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 |
| 33 | 9.1 | 10.1 | 11.1 | 12.0 | 12.7 | 13.4 | 14.1 | 14.6 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.9 |
| 34 | 9.0 | 10.1 | 11.1 | 12.0 | 12.7 | 13.4 | 14.1 | 14.6 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.9 |
| 35 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.9 |
| 36 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 37 | 9.0 | 10.1 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |
| 38 | 9.0 | 10.1 | 11.0 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.85

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 23.5 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.0 | 23.9 | 21.9 | 21.0 | 20.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.4 | 22.5 | 20.7 | 20.0 | 19.7 | 19.5 | 19.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.8 | 19.7 | 19.0 | 18.8 | 18.7 | 18.7 | 18.8 | 19.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 22.5 | 19.0 | 18.1 | 17.9 | 17.9 | 17.9 | 18.1 | 18.3 | 18.4 | 18.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 18.8 | 17.3 | 17.0 | 16.9 | 17.1 | 17.3 | 17.5 | 17.7 | 18.0 | 18.2 | 18.4 |
| 21 | 0. | 0. | 0. | 22.3 | 16.7 | 16.0 | 16.0 | 16.1 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 | 18.0 | 18.3 |
| 22 | 0. | 0. | 18.0 | 15.2 | 14.9 | 15.0 | 15.3 | 15.6 | 16.0 | 16.3 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 |
| 23 | 0. | 15.7 | 13.8 | 13.8 | 14.1 | 14.5 | 14.9 | 15.4 | 15.8 | 16.2 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.1 |
| 24 | 13.9 | 12.5 | 12.7 | 13.1 | 13.7 | 14.2 | 14.7 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 |
| 25 | 11.1 | 11.5 | 12.1 | 12.8 | 13.4 | 14.0 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.4 | 17.8 | 18.1 |
| 26 | 10.3 | 11.0 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 15.0 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 |
| 27 | 9.8 | 10.8 | 11.6 | 12.4 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 |
| 28 | 9.6 | 10.6 | 11.5 | 12.3 | 13.0 | 13.7 | 14.3 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 |
| 29 | 9.4 | 10.4 | 11.4 | 12.2 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 |
| 30 | 9.3 | 10.4 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 31 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 32 | 9.2 | 10.2 | 11.2 | 12.1 | 12.8 | 13.5 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 33 | 9.1 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 34 | 9.1 | 10.2 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 |
| 35 | 9.1 | 10.2 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 18.0 |
| 36 | 9.0 | 10.2 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 18.0 |
| 37 | 9.0 | 10.1 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 18.0 |
| 38 | 9.0 | 10.1 | 11.1 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.6 | 18.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.86

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.0 | 24.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 67.3 | 24.9 | 22.4 | 21.3 | 20.9 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 86.3 | 23.4 | 21.1 | 20.3 | 19.9 | 19.7 | 19.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.9 | 20.2 | 19.3 | 19.0 | 18.9 | 18.9 | 19.0 | 19.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 24.6 | 19.5 | 18.5 | 18.1 | 18.1 | 18.1 | 18.2 | 18.4 | 18.6 | 18.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 19.6 | 17.7 | 17.2 | 17.1 | 17.2 | 17.4 | 17.6 | 17.9 | 18.1 | 18.3 | 18.6 |
| 21 | 0. | 0. | 0. | 29.2 | 17.3 | 16.3 | 16.2 | 16.3 | 16.5 | 16.8 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 |
| 22 | 0. | 0. | 20.1 | 15.6 | 15.1 | 15.2 | 15.5 | 15.8 | 16.1 | 16.5 | 16.8 | 17.1 | 17.5 | 17.8 | 18.0 | 18.3 |
| 23 | 0. | 17.0 | 14.1 | 14.0 | 14.3 | 14.6 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 24 | 15.1 | 12.8 | 12.9 | 13.3 | 13.8 | 14.3 | 14.8 | 15.3 | 15.7 | 16.2 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 25 | 11.4 | 11.7 | 12.3 | 12.9 | 13.5 | 14.1 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 |
| 26 | 10.4 | 11.2 | 11.9 | 12.6 | 13.3 | 13.9 | 14.5 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.5 | 17.8 | 18.1 |
| 27 | 9.9 | 10.9 | 11.7 | 12.5 | 13.2 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 |
| 28 | 9.7 | 10.7 | 11.6 | 12.4 | 13.1 | 13.8 | 14.4 | 14.9 | 15.4 | 15.9 | 16.3 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 |
| 29 | 9.5 | 10.5 | 11.5 | 12.3 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 |
| 30 | 9.4 | 10.4 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 31 | 9.3 | 10.4 | 11.3 | 12.2 | 12.9 | 13.6 | 14.3 | 14.8 | 15.4 | 15.9 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 32 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.3 | 14.8 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 33 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 34 | 9.1 | 10.3 | 11.2 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 35 | 9.1 | 10.2 | 11.2 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 36 | 9.1 | 10.2 | 11.2 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 |
| 37 | 9.1 | 10.2 | 11.2 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.1 |
| 38 | 9.1 | 10.2 | 11.2 | 12.1 | 12.8 | 13.6 | 14.2 | 14.8 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.7 | 18.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.87

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.2 | 24.9 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.2 | 22.9 | 21.7 | 21.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.5 | 21.6 | 20.6 | 20.2 | 20.0 | 19.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 20.7 | 19.7 | 19.3 | 19.1 | 19.1 | 19.2 | 19.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 20.1 | 18.8 | 18.4 | 18.3 | 18.3 | 18.4 | 18.6 | 18.7 | 18.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 20.7 | 18.1 | 17.5 | 17.3 | 17.4 | 17.6 | 17.8 | 18.0 | 18.2 | 18.5 | 18.7 |
| 21 | 0. | 0. | 0. | 0. | 17.9 | 16.6 | 16.4 | 16.5 | 16.7 | 16.9 | 17.2 | 17.5 | 17.7 | 18.0 | 18.3 | 18.5 |
| 22 | 0. | 0. | 24.8 | 16.0 | 15.4 | 15.4 | 15.6 | 15.9 | 16.3 | 16.6 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.4 |
| 23 | 0. | 19.5 | 14.5 | 14.2 | 14.4 | 14.8 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 |
| 24 | 17.4 | 13.1 | 13.1 | 13.4 | 13.9 | 14.4 | 14.9 | 15.4 | 15.8 | 16.3 | 16.7 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 25 | 11.7 | 11.9 | 12.4 | 13.0 | 13.6 | 14.2 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 |
| 26 | 10.6 | 11.3 | 12.0 | 12.7 | 13.4 | 14.0 | 14.6 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 27 | 10.1 | 11.0 | 11.8 | 12.6 | 13.3 | 13.9 | 14.5 | 15.1 | 15.6 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 |
| 28 | 9.8 | 10.7 | 11.6 | 12.5 | 13.2 | 13.9 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 |
| 29 | 9.6 | 10.6 | 11.5 | 12.4 | 13.[illegible] | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 |
| 30 | 9.4 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.[illegible] | 17.6 | 17.9 | 18.2 |
| 31 | 9.3 | 10.4 | 11.4 | 12.3 | 13.0 | 13.7 | 14.4 | 14.9 | 15.5 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 32 | 9.3 | 10.4 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 33 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 34 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 35 | 9.2 | 10.3 | 11.3 | 12.2 | 12.9 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 36 | 9.2 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 37 | 9.1 | 10.3 | 11.3 | 12.1 | 12.9 | 13.6 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |
| 38 | 9.1 | 10.3 | 11.[illegible] | 12.1 | 12.9 | 13.6 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.88

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 33.8 | 25.7 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.9 | 23.6 | 22.1 | 21.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.1 | 22.2 | 21.0 | 20.4 | 20.2 | 20.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.3 | 21.3 | 20.0 | 19.5 | 19.3 | 19.3 | 19.3 | 19.4 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 45.7 | 20.9 | 19.2 | 18.6 | 18.5 | 18.5 | 18.6 | 18.7 | 18.9 | 19.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 22.1 | 18.5 | 17.7 | 17.6 | 17.6 | 17.7 | 17.9 | 18.1 | 18.4 | 18.6 | 18.8 |
| 21 | 0. | 0. | 0. | 0. | 18.6 | 16.9 | 16.6 | 16.6 | 16.8 | 17.1 | 17.3 | 17.6 | 17.9 | 18.1 | 18.4 | 18.7 |
| 22 | 0. | 0. | 0. | 16.6 | 15.6 | 15.6 | 15.8 | 16.1 | 16.4 | 16.7 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 |
| 23 | 0. | 27.7 | 14.9 | 14.4 | 14.6 | 14.9 | 15.3 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 |
| 24 | 25.5 | 13.5 | 13.3 | 13.6 | 14.1 | 14.5 | 15.0 | 15.5 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 |
| 25 | 12.0 | 12.0 | 12.5 | 13.1 | 13.7 | 14.3 | 14.8 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.4 | 17.8 | 18.1 | 18.4 |
| 26 | 10.7 | 11.4 | 12.1 | 12.9 | 13.5 | 14.1 | 14.7 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 27 | 10.2 | 11.1 | 11.9 | 12.7 | 13.4 | 14.0 | 14.6 | 15.2 | 15.7 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 |
| 28 | 9.8 | 10.8 | 11.7 | 12.5 | 13.3 | 13.9 | 14.6 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 |
| 29 | 9.6 | 10.7 | 11.6 | 12.5 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 30 | 9.5 | 10.6 | 11.5 | 12.4 | 13.2 | 13.8 | 14.5 | 15.0 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 |
| 31 | 9.4 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.6 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 32 | 9.3 | 10.5 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 33 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 34 | 9.3 | 10.4 | 11.4 | 12.3 | 13.0 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 35 | 9.2 | 10.4 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 36 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 37 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |
| 38 | 9.2 | 10.3 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.89

OXFORD FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.4 | 26.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 24.3 | 22.5 | 21.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 22.8 | 21.4 | 20.7 | 20.4 | 20.3 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 21.9 | 20.4 | 19.8 | 19.5 | 19.5 | 19.5 | 19.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 21.7 | 19.6 | 18.9 | 18.7 | 18.7 | 18.7 | 18.9 | 19.0 | 19.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 24.3 | 19.0 | 18.0 | 17.8 | 17.8 | 17.9 | 18.1 | 18.3 | 18.5 | 18.7 | 18.9 |
| 21 | 0. | 0. | 0. | 0. | 19.6 | 17.3 | 16.8 | 16.8 | 17.0 | 17.2 | 17.5 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 |
| 22 | 0. | 0. | 0. | 17.2 | 15.9 | 15.8 | 15.9 | 16.2 | 16.5 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 |
| 23 | 0. | 0. | 15.4 | 14.7 | 14.8 | 15.1 | 15.5 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 |
| 24 | 0. | 13.9 | 13.5 | 13.8 | 14.2 | 14.7 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 |
| 25 | 12.4 | 12.2 | 12.7 | 13.3 | 13.8 | 14.4 | 15.0 | 15.5 | 15.9 | 16.4 | 16.8 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 |
| 26 | 10.9 | 11.5 | 12.3 | 13.0 | 13.6 | 14.2 | 14.8 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 27 | 10.3 | 11.2 | 12.0 | 12.8 | 13.5 | 14.1 | 14.7 | 15.3 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 |
| 28 | 9.9 | 10.9 | 11.8 | 12.6 | 13.4 | 14.0 | 14.7 | 15.2 | 15.7 | 16.2 | 16.6 | 17.1 | 17.4 | 17.8 | 18.1 | 18.4 |
| 29 | 9.7 | 10.8 | 11.7 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 30 | 9.6 | 10.7 | 11.6 | 12.5 | 13.2 | 13.9 | 14.6 | 15.1 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 |
| 31 | 9.5 | 10.6 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 32 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 33 | 9.4 | 10.5 | 11.5 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 34 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16[illegible] | 16.6 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 35 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 36 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 37 | 9.[illegible] | 10.[illegible] | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.0 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |
| 38 | 9.[illegible] | 10.4 | 11.4 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.7 | 18.1 | 18.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.90

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.2 | 25.2 | 23.0 | 22.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.9 | 23.6 | 21.8 | 21.0 | 20.7 | 20.5 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.0 | 22.7 | 20.8 | 20.1 | 19.8 | 19.7 | 19.7 | 19.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.8 | 20.0 | 19.2 | 18.9 | 18.8 | 18.9 | 19.0 | 19.2 | 19.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 28.5 | 19.6 | 18.4 | 18.0 | 18.0 | 18.1 | 18.2 | 18.4 | 18.6 | 18.9 | 19.1 |
| 21 | 0. | 0. | 0. | 0. | 20.8 | 17.7 | 17.1 | 17.0 | 17.1 | 17.3 | 17.6 | 17.9 | 18.1 | 18.4 | 18.7 | 18.9 |
| 22 | 0. | 0. | 0. | 18.0 | 16.2 | 16.0 | 16.1 | 16.4 | 16.7 | 17.0 | 17.3 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 23 | 0. | 0. | 16.0 | 15.0 | 15.0 | 15.2 | 15.6 | 16.0 | 16.4 | 16.8 | 17.1 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 |
| 24 | 0. | 14.4 | 13.7 | 13.9 | 14.3 | 14.8 | 15.3 | 15.7 | 16.2 | 16.6 | 17.0 | 17.4 | 17.7 | 18.0 | 18.4 | 18.6 |
| 25 | 12.9 | 12.5 | 12.8 | 13.4 | 14.0 | 14.5 | 15.1 | 15.6 | 16.0 | 16.5 | 16.9 | 17.3 | 17.6 | 18.0 | 18.3 | 18.6 |
| 26 | 11.1 | 11.7 | 12.4 | 13.1 | 13.7 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 27 | 10.4 | 11.3 | 12.1 | 12.9 | 13.6 | 14.2 | 14.8 | 15.4 | 15.9 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 |
| 28 | 10.0 | 11.0 | 11.9 | 12.7 | 13.5 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.2 | 18.5 |
| 29 | 9.[illegible] | 10.8 | 11.8 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 30 | 9.7 | 10.7 | 11.7 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 |
| 31 | 9.6 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 32 | 9.5 | 10.6 | 11.6 | 12.5 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 33 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 34 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 35 | 9.3 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 36 | 9.3 | 10.5 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 37 | 9.3 | 10.4 | 11.5 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |
| 38 | 9.3 | 10.4 | 11.4 | 12.3 | 13.1 | 13.9 | 14.5 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.91

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | [illegible] | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.1 | 26.2 | 23.5 | 22.4 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.4 | 24.5 | 22.2 | 21.3 | 20.9 | 20.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.7 | 21.2 | 20.4 | 20.0 | 19.9 | 19.9 | 19.9 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 20.5 | 19.5 | 19.1 | 19.0 | 19.1 | 19.2 | 19.3 | 19.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 64.6 | 20.3 | 18.7 | 18.3 | 18.2 | 18.2 | 18.4 | 18.6 | 18.8 | 19.0 | 19.2 |
| 21 | 0. | 0. | 0. | 0. | 22.7 | 18.1 | 17.4 | 17.2 | 17.3 | 17.5 | 17.7 | 18.0 | 18.3 | 18.5 | 18.8 | 19.0 |
| 22 | 0. | 0. | 0 | 19.0 | 16.6 | 16.2 | 16.3 | 16.5 | 16.8 | 17.1 | 17.4 | 17.7 | 18.1 | 18.3 | 18.6 | 18.9 |
| 23 | 0. | 0. | 16.7 | 15.2 | 15.2 | 15.4 | 15.7 | 16.1 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 |
| 24 | 0. | 15.0 | 14.0 | 14.1 | 14.5 | 14.9 | 15.4 | 15.8 | 16.3 | 16.7 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 |
| 25 | 13.5 | 12.7 | 13.0 | 13.5 | 14.1 | 14.6 | 15.2 | 15.7 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.4 | 18.7 |
| 26 | 11.3 | 11.8 | 12.5 | 13.2 | 13.8 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 27 | 10.6 | 11.4 | 12.2 | 13.0 | 13.7 | 14.3 | 14.9 | 15.5 | 16.0 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.3 | 18.7 |
| 28 | 10.1 | 11.1 | 12.0 | 12.8 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.3 | 17.6 | 18.0 | 18.3 | 18.6 |
| 29 | 9.9 | 10.9 | 11.9 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 30 | 9.7 | 10.8 | 11.8 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 |
| 31 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 32 | 9.5 | 10.7 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 33 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 34 | 9.4 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 35 | 9.4 | 10.5 | 11.6 | 12.4 | 13.3 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 36 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 |
| 37 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.3 | 18.6 |
| 38 | 9.4 | 10.5 | 11.5 | 12.4 | 13.2 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.5 | 17.9 | 18.3 | 18.6 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.92

OXFORD FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 24.1 | 22.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.5 | 22.7 | 21.7 | 21.2 | 20.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.8 | 21.7 | 20.7 | 20.3 | 20.1 | 20.0 | 20.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 21.0 | 19.8 | 19.4 | 19.2 | 19.3 | 19.3 | 19.5 | 19.6 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 21.1 | 19.1 | 18.5 | 18.4 | 18.4 | 18.5 | 18.7 | 18.9 | 19.1 | 19.3 |
| 21 | 0. | 0. | 0. | 0. | 26.0 | 18.7 | 17.6 | 17.4 | 17.5 | 17.7 | 17.9 | 18.1 | 18.4 | 18.6 | 18.9 | 19.1 |
| 22 | 0. | 0. | 0. | 20.3 | 17.0 | 16.5 | 16.5 | 16.7 | 16.9 | 17.2 | 17.6 | 17.9 | 18.2 | 18.5 | 18.7 | 19.0 |
| 23 | 0. | 0. | 17.7 | 15.6 | 15.4 | 15.5 | 15.9 | 16.2 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 |
| 24 | 0. | 15.8 | 14.2 | 14.3 | 14.6 | 15.1 | 15.5 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 |
| 25 | 14.3 | 12.9 | 13.2 | 13.7 | 14.2 | 14.7 | 15.3 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.5 | 18.8 |
| 26 | 11.6 | 12.0 | 12.6 | 13.3 | 13.9 | 14.5 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 27 | 10.7 | 11.5 | 12.3 | 13.1 | 13.8 | 14.4 | 15.0 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 28 | 10.3 | 11.2 | 12.1 | 12.9 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 16.9 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 |
| 29 | 10.0 | 11.0 | 11.9 | 12.8 | 13.5 | 14.2 | 14.9 | 15.4 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 30 | 9.8 | 10.9 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 |
| 31 | 9.7 | 10.8 | 11.8 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 32 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 33 | 9.5 | 10.7 | 11.7 | 12.[illegible] | 13.4 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 34 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 35 | 9.5 | 10.6 | 11.6 | 12.5 | 13.3 | 14.1 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 |
| 36 | 9.4 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.3 | 17.6 | 18.0 | 18.4 | 18.7 |
| 37 | 9.4 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 |
| 38 | 9.4 | 10.6 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.8 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.93

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.2 | 24.7 | 23.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.9 | 23.3 | 22.0 | 21.4 | 21.2 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.4 | 22.3 | 21.0 | 20.5 | 20.3 | 20.2 | 20.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.0 | 21.7 | 20.2 | 19.6 | 19.4 | 19.4 | 19.5 | 19.6 | 19.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 22.1 | 19.5 | 18.8 | 18.6 | 18.6 | 18.7 | 18.9 | 19.0 | 19.3 | 19.5 |
| 21 | 0. | 0. | 0. | 0. | 37.2 | 19.2 | 18.0 | 17.7 | 17.7 | 17.8 | 18.0 | 18.3 | 18.5 | 18.8 | 19.0 | 19.3 |
| 22 | 0. | 0. | 0. | 22.5 | 17.4 | 16.7 | 16.7 | 16.8 | 17.1 | 17.4 | 17.7 | 18.0 | 18.3 | 18.6 | 18.9 | 19.1 |
| 23 | 0. | 0. | 19.0 | 15.9 | 15.6 | 15.7 | 16.0 | 16.4 | 16.7 | 17.1 | 17.5 | 17.8 | 18.1 | 18.5 | 18.8 | 19.0 |
| 24 | 0. | 16.9 | 14.5 | 14.5 | 14.8 | 15.2 | 15.6 | 16.1 | 16.5 | 16.9 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 |
| 25 | 15.3 | 13.2 | 13.3 | 13.8 | 14.3 | 14.9 | 15.4 | 15.9 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 |
| 26 | 11.8 | 12.1 | 12.8 | 13.4 | 14.0 | 14.6 | 15.2 | 15.8 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 27 | 10.8 | 11.6 | 12.4 | 13.2 | 13.9 | 14.5 | 15.1 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 28 | 10.4 | 11.3 | 12.2 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.0 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 |
| 29 | 10.1 | 11.1 | 12.0 | 12.9 | 13.6 | 14.3 | 15.0 | 15.5 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 30 | 9.9 | 11.0 | 11.9 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 |
| 31 | 9.8 | 10.9 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 32 | 9.7 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 33 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 34 | 9.6 | 10.7 | 11.7 | 12.6 | 13.4 | 14.2 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 35 | 9.5 | 10.7 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 16.0 | 16.5 | 16.9 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 |
| 36 | 9.5 | 10.6 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 |
| 37 | 9.5 | 10.6 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 |
| 38 | 9.4 | 10.6 | 11.6 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.94

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.2 |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.6 | 25.5 | 23.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.7 | 23.9 | 22.4 | 21.7 | 21.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.6 | 22.9 | 21.4 | 20.8 | 20.5 | 20.4 | 20.4 |
| 19 | 0. | 0. | 0. | 0. | 0 | 0. | 0. | 40.9 | 22.4 | 20.5 | 19.9 | 19.7 | 19.6 | 19.7 | 19.8 | 19.9 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 23.4 | 19.9 | 19.0 | 18.8 | 18.8 | 18.9 | 19.0 | 19.2 | 19.4 | 19.6 |
| 21 | 0. | 0. | 0. | 0. | 0. | 19.9 | 18.3 | 17.9 | 17.8 | 18.0 | 18.2 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 |
| 22 | 0. | 0. | 0. | 26.8 | 17.9 | 17.0 | 16.9 | 17.0 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 19.0 | 19.3 |
| 23 | 0. | 0. | 21.0 | 16.3 | 15.8 | 15.9 | 16.2 | 16.5 | 16.9 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 |
| 24 | 0. | 18.4 | 14.9 | 14.7 | 14.9 | 15.3 | 15.8 | 16.2 | 16.6 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 |
| 25 | 17.0 | 13.5 | 13.5 | 13.9 | 14.4 | 15.0 | 15.5 | 16.0 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 |
| 26 | 12.1 | 12.3 | 12.9 | 13.5 | 14.2 | 14.8 | 15.3 | 15.9 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 |
| 27 | 11.0 | 11.7 | 12.5 | 13.3 | 14.0 | 14.6 | 15.2 | 15.8 | 16.3 | 16.7 | 17.2 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 |
| 28 | 10.5 | 11.4 | 12.3 | 13.1 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 29 | 10.2 | 11.2 | 12.1 | 13.0 | 13.7 | 14.4 | 15.0 | 15.6 | 16.2 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 30 | 10.0 | 11.0 | 12.0 | 12.9 | 13.6 | 14.4 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 |
| 31 | 9.8 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 32 | 9.7 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 33 | 9.7 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.1 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 34 | 9.6 | 10.8 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.6 | 17.0 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 |
| 35 | 9.6 | 10.7 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 |
| 36 | 9.5 | 10.7 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 |
| 37 | 9.5 | 10.7 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 |
| 38 | 9.5 | 10.7 | 11.7 | 12.6 | 13.4 | 14.2 | 14.9 | 15.5 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.95

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.6 | 26.3 | 24.1 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.4 | 24.6 | 22.8 | 22.0 | 21.6 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.5 | 23.6 | 21.8 | 21.1 | 20.7 | 20.6 | 20.6 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.3 | 20.9 | 20.2 | 19.9 | 19.8 | 19.8 | 19.9 | 20.1 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 25.2 | 20.4 | 19.3 | 19.0 | 18.9 | 19.0 | 19.2 | 19.3 | 19.5 | 19.7 |
| 21 | 0. | 0. | 0. | 0. | 0. | 20.8 | 18.6 | 18.1 | 18.0 | 18.1 | 18.3 | 18.5 | 18.8 | 19.0 | 19.3 | 19.5 |
| 22 | 0. | 0. | 0. | 0. | 18.4 | 17.3 | 17.1 | 17.2 | 17.4 | 17.6 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 |
| 23 | 0. | 0. | 25.2 | 16.7 | 16.0 | 16.1 | 16.3 | 16.6 | 17.0 | 17.3 | 17.7 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 |
| 24 | 0. | 21.4 | 15.2 | 14.9 | 15.1 | 15.5 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 |
| 25 | 20.8 | 13.8 | 13.7 | 14.1 | 14.6 | 15.1 | 15.6 | 16.1 | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 |
| 26 | 12.4 | 12.5 | 13.0 | 13.6 | 14.3 | 14.9 | 15.4 | 16.0 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 |
| 27 | 11.2 | 11.9 | 12.6 | 13.4 | 14.1 | 14.7 | 15.3 | 15.8 | 16.4 | 16.8 | 17.3 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 |
| 28 | 10.6 | 11.5 | 12.4 | 13.2 | 13.9 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 |
| 29 | 10.3 | 11.3 | 12.2 | 13.0 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 |
| 30 | 10.0 | 11.1 | 12.1 | 12.9 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 |
| 31 | 9.9 | 11.0 | 12.0 | 12.9 | 13.7 | 14.4 | 15.0 | 15.6 | 16.2 | 16.7 | 17.1 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 |
| 32 | 9.8 | 10.9 | 11.9 | 12.8 | 13.6 | 14.4 | 15.0 | 15.6 | 16.2 | 16.7 | 17.1 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 |
| 33 | 9.7 | 10.9 | 11.9 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.7 | 17.1 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 |
| 34 | 9.7 | 10.8 | 11.8 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 |
| 35 | 9.6 | 10.8 | 11.8 | 12.7 | 13.6 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 |
| 36 | 9.6 | 10.8 | 11.8 | 12.7 | 13.5 | 14.3 | 14.9 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 |
| 37 | 9.6 | 10.7 | 11.8 | 12.7 | 13.5 | 14.3 | 14.9 | 15.6 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 |
| 38 | 9.6 | 10.7 | 11.8 | 12.7 | 13.5 | 14.3 | 14.9 | 15.5 | 16.1 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY = 0.96

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.8 | 27.3 | 24.6 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.4 | 25.4 | 23.2 | 22.3 | 21.9 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.2 | 24.4 | 22.2 | 21.3 | 21.0 | 20.8 | 20.8 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.3 | 21.4 | 20.5 | 20.1 | 20.0 | 20.0 | 20.1 | 20.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 28.1 | 21.0 | 19.7 | 19.2 | 19.1 | 19.2 | 19.3 | 19.5 | 19.7 | 19.9 |
| 21 | 0. | 0. | 0. | 0. | 0. | 21.8 | 19.0 | 18.4 | 18.2 | 18.3 | 18.5 | 18.7 | 18.9 | 19.1 | 19.4 | 19.6 |
| 22 | 0. | 0. | 0. | 0. | 19.1 | 17.6 | 17.3 | 17.3 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 18.9 | 19.2 | 19.5 |
| 23 | 0. | 0. | 0. | 17.2 | 16.3 | 16.3 | 16.5 | 16.8 | 17.1 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 |
| 24 | 0. | 35.1 | 15.7 | 15.1 | 15.3 | 15.6 | 16.0 | 16.4 | 16.8 | 17.3 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.3 |
| 25 | 0. | 14.2 | 13.9 | 14.2 | 14.7 | 15.2 | 15.7 | 16.2 | 16.7 | 17.1 | 17.5 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 |
| 26 | 12.8 | 12.7 | 13.2 | 13.8 | 14.4 | 15.0 | 15.5 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 |
| 27 | 11.3 | 12.0 | 12.7 | 13.5 | 14.1 | 14.8 | 15.4 | 15.9 | 16.5 | 16.9 | 17.4 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 |
| 28 | 10.7 | 11.6 | 12.5 | 13.3 | 14.0 | 14.7 | 15.3 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.2 |
| 29 | 10.4 | 11.4 | 12.3 | 13.1 | 13.9 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 |
| 30 | 10.1 | 11.2 | 12.2 | 13.0 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.1 |
| 31 | 10.0 | 11.1 | 12.1 | 13.0 | 13.8 | 14.5 | 15.1 | 15.7 | 16.3 | 16.8 | 17.2 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 |
| 32 | 9.9 | 11.0 | 12.0 | 12.9 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.2 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 |
| 33 | 9.8 | 10.9 | 12.0 | 12.9 | 13.7 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.1 | 18.4 | 18.8 | 19.1 |
| 34 | 9.7 | 10.9 | 11.9 | 12.8 | 13.6 | 14.4 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 |
| 35 | 9.7 | 10.9 | 11.9 | 12.8 | 13.6 | 14.4 | 15.0 | 15.7 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 |
| 36 | 9.7 | 10.8 | 11.9 | 12.8 | 13.6 | 14.4 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 |
| 37 | 9.6 | 10.8 | 11.8 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 |
| 38 | 9.6 | 10.8 | 11.8 | 12.8 | 13.6 | 14.3 | 15.0 | 15.6 | 16.2 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.97

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.5 | 25.2 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.0 | 26.4 | 23.7 | 22.7 | 22.1 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.4 | 22.6 | 21.7 | 21.2 | 21.0 | 21.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 25.7 | 21.9 | 20.8 | 20.3 | 20.2 | 20.2 | 20.2 | 20.3 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 34.8 | 21.6 | 20.0 | 19.5 | 19.3 | 19.4 | 19.5 | 19.6 | 19.8 | 20.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 23.2 | 19.4 | 18.6 | 18.4 | 18.5 | 18.6 | 18.8 | 19.0 | 19.3 | 19.5 | 19.8 |
| 22 | 0. | 0. | 0. | 0. | 19.9 | 17.9 | 17.5 | 17.5 | 17.7 | 17.9 | 18.2 | 18.5 | 18.8 | 19.1 | 19.3 | 19.6 |
| 23 | 0. | 0. | 0. | 17.8 | 16.6 | 16.4 | 16.6 | 16.9 | 17.2 | 17.6 | 17.9 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 |
| 24 | 0. | 0. | 16.1 | 15.3 | 15.4 | 15.7 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.1 | 18.5 | 18.8 | 19.1 | 19.4 |
| 25 | 0. | 14.7 | 14.1 | 14.4 | 14.8 | 15.3 | 15.8 | 16.3 | 16.8 | 17.2 | 17.6 | 18.0 | 18.4 | 18.7 | 19.0 | 19.4 |
| 26 | 13.2 | 12.9 | 13.3 | 13.9 | 14.5 | 15.1 | 15.6 | 16.2 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 |
| 27 | 11.5 | 12.1 | 12.3 | 13.6 | 14.2 | 14.9 | 15.5 | 16.0 | 16.6 | 17.0 | 17.5 | 17.9 | 18.3 | 18.6 | 19.0 | 19.3 |
| 28 | 10.8 | 11.7 | 12.6 | 13.4 | 14.1 | 14.8 | 15.4 | 16.0 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 |
| 29 | 10.4 | 11.5 | 12.4 | 13.2 | 14.0 | 14.7 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 |
| 30 | 10.2 | 11.3 | 12.2 | 13.1 | 13.9 | 14.6 | 15.3 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.2 |
| 31 | 10.0 | 11.2 | 12.1 | 13.0 | 13.8 | 14.6 | 15.2 | 15.8 | 16.4 | 16.9 | 17.3 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 |
| 32 | 9.9 | 11.1 | 12.1 | 13.0 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.5 | 18.9 | 19.2 |
| 33 | 9.9 | 11.0 | 12.0 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |
| 34 | 9.8 | 11.0 | 12.0 | 12.9 | 13.7 | 14.5 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |
| 35 | 9.7 | 10.9 | 12.0 | 12.9 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |
| 36 | 9.7 | 10.9 | 11.9 | 12.9 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |
| 37 | 9.7 | 10.9 | 11.9 | 12.8 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |
| 38 | 9.7 | 10.8 | 11.9 | 12.8 | 13.7 | 14.4 | 15.1 | 15.7 | 16.3 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.98

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.1 | 25.8 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.5 | 24.2 | 23.0 | 22.4 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 26.6 | 23.2 | 22.0 | 21.5 | 21.2 | 21.1 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 27.7 | 22.4 | 21.1 | 20.6 | 20.4 | 20.4 | 20.4 | 20.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 22.3 | 20.4 | 19.7 | 19.5 | 19.5 | 19.6 | 19.8 | 19.9 | 20.1 |
| 21 | 0. | 0. | 0. | 0. | 0. | 25.2 | 19.9 | 18.9 | 18.6 | 18.6 | 18.8 | 19.0 | 19.2 | 19.4 | 19.6 | 19.9 |
| 22 | 0. | 0. | 0. | 0. | 20.9 | 18.2 | 17.7 | 17.7 | 17.8 | 18.1 | 18.3 | 18.6 | 18.9 | 19.2 | 19.4 | 19.7 |
| 23 | 0. | 0. | 0. | 18.5 | 16.9 | 16.6 | 16.8 | 17.1 | 17.4 | 17.7 | 18.1 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 |
| 24 | 0. | 0. | 16.7 | 15.6 | 15.6 | 15.9 | 16.3 | 16.7 | 17.1 | 17.5 | 17.9 | 18.2 | 18.6 | 18.9 | 19.2 | 19.5 |
| 25 | 0. | 15.2 | 14.4 | 14.6 | 15.0 | 15.5 | 15.9 | 16.4 | 16.9 | 17.3 | 17.7 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 |
| 26 | 13.8 | 13.1 | 13.5 | 14.0 | 14.6 | 15.2 | 15.7 | 16.3 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 |
| 27 | 11.7 | 12.3 | 13.0 | 13.7 | 14.3 | 15.0 | 15.6 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 |
| 28 | 11.0 | 11.8 | 12.7 | 13.5 | 14.2 | 14.9 | 15.5 | 16.0 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 |
| 29 | 10.5 | 11.5 | 12.5 | 13.3 | 14.1 | 14.8 | 15.4 | 16.0 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 |
| 30 | 10.3 | 11.4 | 12.3 | 13.2 | 14.0 | 14.7 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.3 |
| 31 | 10.1 | 11.2 | 12.2 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.4 | 17.9 | 18.3 | 18.6 | 19.0 | 19.3 |
| 32 | 10.0 | 11.1 | 12.1 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.4 | 16.9 | 17.4 | 17.8 | 18.3 | 18.6 | 19.0 | 19.3 |
| 33 | 9.9 | 11.1 | 12.1 | 13.0 | 13.8 | 14.6 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 |
| 34 | 9.9 | 11.0 | 12.1 | 13.0 | 13.8 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 |
| 35 | 9.8 | 11.0 | 12.0 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 |
| 36 | 9.8 | 10.9 | 12.0 | 12.9 | 13.8 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 |
| 37 | 9.7 | 10.9 | 12.0 | 12.9 | 13.7 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 |
| 38 | 9.7 | 10.9 | 12.0 | 12.9 | 13.7 | 14.5 | 15.2 | 15.8 | 16.4 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =0.99

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.2 | 26.5 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.1 | 24.8 | 23.4 | 22.7 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 28.2 | 23.7 | 22.3 | 21.7 | 21.4 | 21.3 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 23.1 | 21.5 | 20.8 | 20.6 | 20.5 | 20.6 | 20.7 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 23.2 | 20.8 | 20.0 | 19.7 | 19.7 | 19.8 | 19.9 | 20.1 | 20.3 |
| 21 | 0. | 0. | 0. | 0. | 0. | 28.7 | 20.5 | 19.2 | 18.9 | 18.8 | 18.9 | 19.1 | 19.3 | 19.5 | 19.8 | 20.0 |
| 22 | 0. | 0. | 0. | 0. | 22.2 | 18.6 | 18.0 | 17.9 | 18.0 | 18.2 | 18.5 | 18.7 | 19.0 | 19.3 | 19.6 | 19.8 |
| 23 | 0. | 0. | 0. | 19.3 | 17.2 | 16.9 | 17.0 | 17.2 | 17.5 | 17.8 | 18.2 | 18.5 | 18.8 | 19.1 | 19.4 | 19.7 |
| 24 | 0. | 0. | 17.4 | 15.9 | 15.8 | 16.0 | 16.4 | 16.8 | 17.2 | 17.6 | 18.0 | 18.3 | 18.7 | 19.0 | 19.3 | 19.6 |
| 25 | 0. | 15.8 | 14.6 | 14.7 | 15.1 | 15.6 | 16.1 | 16.5 | 17.0 | 17.4 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 |
| 26 | 14.4 | 13.3 | 13.6 | 14.1 | 14.7 | 15.3 | 15.8 | 16.4 | 16.8 | 17.3 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 |
| 27 | 12.0 | 12.4 | 13.1 | 13.8 | 14.5 | 15.1 | 15.7 | 16.2 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 |
| 28 | 11.1 | 11.9 | 12.8 | 13.5 | 14.3 | 14.9 | 15.6 | 16.1 | 16.7 | 17.2 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 |
| 29 | 10.7 | 11.6 | 12.6 | 13.4 | 14.1 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 |
| 30 | 10.4 | 11.4 | 12.4 | 13.3 | 14.1 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.4 |
| 31 | 10.2 | 11.3 | 12.3 | 13.2 | 14.0 | 14.7 | 15.4 | 16.0 | 16.5 | 17.0 | 17.5 | 18.0 | 18.4 | 18.7 | 19.1 | 19.4 |
| 32 | 10.1 | 11.2 | 12.2 | 13.1 | 13.9 | 14.7 | 15.3 | 16.0 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 |
| 33 | 10.0 | 11.1 | 12.2 | 13.1 | 13.9 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 |
| 34 | 9.9 | 11.1 | 12.1 | 13.0 | 13.9 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 |
| 35 | 9.9 | 11.0 | 12.1 | 13.0 | 13.8 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 |
| 36 | 9.8 | 11.0 | 12.1 | 13.0 | 13.8 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.1 | 19.4 |
| 37 | 9.8 | 11.0 | 12.0 | 13.0 | 13.8 | 14.6 | 15.3 | 15.9 | 16.5 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 |
| 38 | 9.8 | 11.0 | 12.0 | 13.0 | 13.8 | 14.6 | 15.3 | 15.9 | 16.4 | 17.0 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.00

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 15 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 16 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.5 | 27.3 |
| 17 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.1 | 25.5 | 23.8 | 23.0 |
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 30.5 | 24.3 | 22.7 | 22.0 | 21.7 | 21.5 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 37.2 | 23.8 | 21.8 | 21.1 | 20.8 | 20.7 | 20.7 | 20.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 24.4 | 21.2 | 20.3 | 20.0 | 19.9 | 19.9 | 20.1 | 20.2 | 20.4 |
| 21 | 0. | 0. | 0. | 0. | 0. | 39.3 | 21.1 | 19.5 | 19.1 | 19.0 | 19.1 | 19.3 | 19.4 | 19.7 | 19.9 | 20.1 |
| 22 | 0. | 0. | 0. | 0. | 24.1 | 19.1 | 18.2 | 18.1 | 18.2 | 18.4 | 18.6 | 18.9 | 19.1 | 19.4 | 19.7 | 19.9 |
| 23 | 0. | 0. | 0. | 20.5 | 17.5 | 17.1 | 17.1 | 17.3 | 17.6 | 18.0 | 18.3 | 18.6 | 18.9 | 19.2 | 19.5 | 19.8 |
| 24 | 0. | 0. | 18.3 | 16.2 | 16.0 | 16.2 | 16.5 | 16.9 | 17.3 | 17.7 | 18.1 | 18.4 | 18.8 | 19.1 | 19.4 | 19.7 |
| 25 | 0. | 16.6 | 14.9 | 14.9 | 15.3 | 15.7 | 16.2 | 16.6 | 17.1 | 17.5 | 17.9 | 18.3 | 18.7 | 19.0 | 19.4 | 19.7 |
| 26 | 15.3 | 13.6 | 13.8 | 14.3 | 14.8 | 15.4 | 15.9 | 16.5 | 16.9 | 17.4 | 17.8 | 18.2 | 18.6 | 19.0 | 19.3 | 19.6 |
| 27 | 12.2 | 12.6 | 13.2 | 13.9 | 14.6 | 15.2 | 15.8 | 16.3 | 16.8 | 17.3 | 17.8 | 18.2 | 18.6 | 18.9 | 19.3 | 19.6 |
| 28 | 11.2 | 12.0 | 12.9 | 13.6 | 14.4 | 15.0 | 15.7 | 16.2 | 16.8 | [illegible] | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.6 |
| 29 | 10.8 | 11.7 | 12.6 | 13.5 | 14.2 | 14.9 | 15.6 | 16.2 | 16.7 | 17.2 | 17.7 | 18.1 | 18.5 | 18.9 | 19.2 | 19.5 |
| 30 | 10.5 | 11.5 | 12.5 | 13.4 | 14.1 | 14.9 | 15.5 | 16.1 | 16.7 | 17.2 | 17.6 | 18.1 | 18.5 | 18.8 | 19.2 | 19.5 |
| 31 | [illegible] | 11.4 | 12.4 | 13.3 | 14.1 | 14.8 | 15.5 | 16.1 | 16.6 | 17.1 | 17.6 | 18.0 | 18.5 | 18.8 | 19.2 | 19.5 |
| 32 | [illegible] | 11.3 | 12.3 | 13.2 | 14.0 | 14.8 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 33 | [illegible] | 11.2 | 12.2 | 13.2 | 14.0 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 34 | [illegible] | 11.1 | 12.2 | 13.1 | 13.9 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 35 | 9.9 | 11.1 | 12.2 | 13.1 | 13.9 | 14.7 | 15.4 | 16.0 | 16.6 | 17.1 | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 | 19.5 |
| 36 | 9.9 | 11.1 | 12.1 | 13.1 | 13.9 | 14.7 | 15.3 | 16.0 | 16.5 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 |
| 37 | 9.8 | 11.0 | 12.1 | 13.0 | 13.9 | 14.6 | 15.3 | 16.0 | 16.5 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 |
| 38 | [illegible] | 11.0 | 12.1 | 13.0 | 13.9 | 14.6 | 15.3 | 16.0 | 16.5 | 17.1 | 17.5 | 18.0 | 18.4 | 18.8 | 19.1 | 19.5 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.36

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 80.0 |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 84.3 | 33.0 | 29.5 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 32.8 | 28.7 | 27.2 | 26.4 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.3 | 28.3 | 26.4 | 25.[illegible] | 25.3 | 25.1 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.0 | 26.0 | 24.9 | 24.5 | 24.3 | 24.3 | 24.4 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 35.2 | 26.1 | 24.3 | 23.7 | 23.5 | 23.5 | 23.6 | 23.7 | 23.9 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 28.9 | 24.1 | 23.0 | 22.7 | 22.6 | 22.7 | 22.9 | 23.1 | 23.3 | 23.6 |
| 25 | 0. | 0. | 0. | 0. | 0. | 25.9 | 22.6 | 21.9 | 21.7 | 21.8 | 22.0 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 |
| 26 | 0. | 0. | 0. | 0. | 23.9 | 21.3 | 20.8 | 20.8 | 21.0 | 21.2 | 21.6 | 21.9 | 22.2 | 22.6 | 22.9 | 23.2 |
| 27 | 0. | 0. | 0. | 22.4 | 20.1 | 19.7 | 19.8 | 20.1 | 20.5 | 20.9 | 21.3 | 21.7 | 22.1 | 22.4 | 22.8 | 23.1 |
| 28 | 0. | 0. | 21.2 | 18.8 | 18.6 | 18.9 | 19.3 | 19.7 | 20.2 | 20.6 | 21.1 | 21.5 | 21.9 | 22.3 | 22.7 | 23.0 |
| 29 | 0. | 20.6 | 17.6 | 17.5 | 17.9 | 18.4 | 18.9 | 19.4 | 20.0 | 20.5 | 20.9 | 21.4 | 21.8 | 22.2 | 22.6 | 22.9 |
| 30 | 21.9 | 16.4 | 16.3 | 16.8 | 17.4 | 18.0 | 18.7 | 19.2 | 19.8 | 20.3 | 20.8 | 21.3 | 21.7 | 22.1 | 22.5 | 22.9 |
| 31 | 15.1 | 15.0 | 15.6 | 16.4 | 17.1 | 17.8 | 18.5 | 19.1 | 19.7 | 20.2 | 20.7 | 21.2 | 21.7 | 22.1 | 22.5 | 22.9 |
| 32 | 13.6 | 14.3 | 15.2 | 16.1 | 16.9 | 17.6 | 18.3 | 19.0 | 19.6 | 20.2 | 20.7 | 21.2 | 21.6 | 22.1 | 22.5 | 22.8 |
| 33 | 12.9 | 13.9 | 14.9 | 15.8 | 16.7 | 17.5 | 18.2 | 18.9 | 19.5 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 |
| 34 | 12.5 | 13.6 | 14.7 | 15.7 | 16.6 | 17.4 | 18.2 | 18.8 | 19.5 | 20.1 | 20.6 | 21.1 | 21.6 | 22.0 | 22.4 | 22.8 |
| 35 | 12.2 | 13.4 | 14.6 | 15.6 | 16.5 | 17.3 | 18.1 | 18.8 | 19.4 | 20.0 | 20.6 | 21.1 | 21.5 | 22.0 | 22.4 | 22.8 |
| 36 | 12.0 | 13.3 | 14.4 | 15.5 | 16.4 | 17.3 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 21.1 | 21.5 | 22.0 | 22.4 | 22.8 |
| 37 | 11.9 | 13.2 | 14.4 | 15.4 | 16.4 | 17.2 | 18.0 | 18.7 | 19.4 | 20.0 | 20.5 | 21.0 | 21.5 | 22.0 | 22.4 | 22.7 |
| 38 | 11.8 | 13.1 | 14.3 | 15.4 | 16.3 | 17.2 | 18.0 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.4 | 22.7 |
| 39 | 11.7 | 13.0 | 14.2 | 15.3 | 16.3 | 17.2 | 17.9 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 40 | 11.6 | 13.0 | 14.2 | 15.3 | 16.3 | 17.1 | 17.9 | 18.7 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 41 | 11.6 | 12.9 | 14.2 | 15.3 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |
| 42 | 11.5 | 12.9 | 14.1 | 15.2 | 16.2 | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.0 | 21.5 | 21.9 | 22.3 | 22.7 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.48

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 41.8 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.7 | 32.6 | 30.0 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.7 | 32.5 | 29.3 | 28.0 | 27.3 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.6 | 29.0 | 27.3 | 26.6 | 26.2 | 26.1 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 29.8 | 26.9 | 25.9 | 25.5 | 25.3 | 25.3 | 25.4 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.5 | 27.2 | 25.4 | 24.7 | 24.5 | 24.5 | 24.6 | 24.7 | 24.9 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 30.7 | 25.3 | 24.1 | 23.7 | 23.6 | 23.7 | 23.9 | 24.1 | 24.4 | 24.6 |
| 26 | 0. | 0. | 0. | 0. | 0. | 27.9 | 23.8 | 22.9 | 22.7 | 22.8 | 23.0 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 |
| 27 | 0. | 0. | 0. | 0. | 26.0 | 22.5 | 21.8 | 21.8 | 21.9 | 22.2 | 22.5 | 22.9 | 23.2 | 23.6 | 23.9 | 24.2 |
| 28 | 0. | 0. | 0. | 24.7 | 21.3 | 20.8 | 20.8 | 21.1 | 21.4 | 21.8 | 22.2 | 22.6 | 23.0 | 23.4 | 23.8 | 24.1 |
| 29 | 0. | 0. | 24.1 | 20.1 | 19.7 | 19.8 | 20.2 | 20.7 | 21.1 | 21.6 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 | 24.0 |
| 30 | 0. | 25.4 | 18.9 | 18.5 | 18.8 | 19.3 | 19.8 | 20.3 | 20.9 | 21.4 | 21.9 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 |
| 31 | 0. | 17.8 | 17.3 | 17.7 | 18.3 | 18.9 | 19.5 | 20.1 | 20.7 | 21.2 | 21.8 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 |
| 32 | [illegible] | 16.0 | 16.5 | 17.2 | 17.9 | 18.6 | 19.3 | 20.0 | 20.6 | 21.1 | 21.7 | 22.2 | 22.6 | 23.1 | 23.5 | 23.9 |
| 33 | 14.6 | 15.2 | 16.0 | 16.9 | 17.7 | 18.4 | 19.2 | 19.8 | 20.5 | 21.1 | 21.6 | 22.1 | 22.6 | 23.0 | 23.4 | 23.8 |
| 34 | 13.7 | 14.7 | 15.7 | 16.6 | 17.5 | 18.3 | 19.1 | 19.8 | 20.4 | 21.0 | 21.5 | 22.1 | 22.5 | 23.0 | 23.4 | 23.8 |
| 35 | 13.2 | 14.3 | 15.4 | 16.4 | 17.4 | 18.2 | 19.0 | 19.7 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 23.0 | 23.4 | 23.8 |
| 36 | 12.9 | 14.1 | 15.3 | 16.3 | 17.2 | 18.1 | 18.9 | 19.6 | 20.3 | 20.9 | 21.5 | 22.0 | 22.5 | 22.9 | 23.4 | 23.8 |
| 37 | 12.6 | 13.9 | 15.1 | 16.2 | 17.2 | 18.0 | 18.8 | 19.6 | 20.3 | 20.9 | 21.4 | 22.0 | 22.5 | 22.9 | 23.3 | 23.7 |
| 38 | 12.4 | 13.8 | 15.0 | 16.1 | 17.1 | 18.0 | 18.8 | 19.5 | 20.2 | 20.8 | 21.4 | 22.0 | 22.4 | 22.9 | 23.3 | 23.7 |
| 39 | 12.3 | 13.7 | 15.0 | 16.1 | 17.1 | 18.0 | 18.8 | 19.5 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 |
| 40 | 12.2 | 13.6 | 14.9 | 16.0 | 17.0 | 17.9 | 18.7 | 19.5 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 |
| 41 | 12.2 | 13.6 | 14.8 | 16.0 | 17.0 | 17.9 | 18.7 | 19.5 | 20.2 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 |
| 42 | 12.1 | 13.5 | 14.8 | 15.9 | 17.0 | 17.9 | 18.7 | 19.5 | 20.1 | 20.8 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =1.50

OXFORD FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 19 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.2 |
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.3 | 34.1 | 30.8 |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 | 30.2 | 28.5 | 27.8 |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.8 | 30.1 | 27.9 | 27.0 | 26.6 | 26.4 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 31.5 | 27.7 | 26.4 | 25.8 | 25.6 | 25.6 | 25.6 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.0 | 28.3 | 26.0 | 25.1 | 24.8 | 24.8 | 24.8 | 25.0 | 25.1 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 35.1 | 26.2 | 24.6 | 24.0 | 23.9 | 24.0 | 24.1 | 24.3 | 24.6 | 24.8 |
| 26 | 0. | 0. | 0. | 0. | 0. | 30.7 | 24.6 | 23.4 | 23.0 | 23.1 | 23.2 | 23.4 | 23.7 | 24.0 | 24.3 | 24.6 |
| 27 | 0. | 0. | 0. | 0. | 28.5 | 23.2 | 22.2 | 22.1 | 22.2 | 22.5 | 22.8 | 23.1 | 23.4 | 23.8 | 24.1 | 24.4 |
| 28 | 0. | 0. | 0. | 27.3 | 21.9 | 21.1 | 21.1 | 21.3 | 21.7 | 22.1 | 22.4 | 22.8 | 23.2 | 23.6 | 24.0 | 24.3 |
| 29 | 0. | 0. | 27.8 | 20.7 | 20.0 | 20.1 | 20.4 | 20.9 | 21.3 | 21.8 | 22.2 | 22.7 | 23.1 | 23.5 | 23.8 | 24.2 |
| 30 | 0. | 43.9 | 19.6 | 18.9 | 19.1 | 19.5 | 20.0 | 20.5 | 21.1 | 21.6 | 22.1 | 22.5 | 23.0 | 23.4 | 23.8 | 24.1 |
| 31 | 0. | 18.5 | 17.7 | 18.0 | 18.5 | 19.1 | 19.7 | 20.3 | 20.9 | 21.4 | 21.9 | 22.4 | 22.9 | 23.3 | 23.7 | 24.1 |
| 32 | 17.8 | 16.4 | 16.8 | 17.4 | 18.1 | 18.8 | 19.5 | 20.1 | 20.7 | 21.3 | 21.8 | 22.3 | 22.8 | 23.2 | 23.6 | 24.0 |
| 33 | 15.0 | 15.4 | 16.2 | 17.0 | 17.8 | 18.6 | 19.3 | 20.0 | 20.6 | 21.2 | 21.8 | 22.3 | 22.7 | 23.2 | 23.6 | 24.0 |
| 34 | 14.0 | 14.9 | 15.8 | 16.8 | 17.6 | 18.5 | 19.2 | 19.9 | 20.6 | 21.1 | 21.7 | 22.2 | 22.7 | 23.2 | 23.6 | 24.0 |
| 35 | 13.4 | 14.5 | 15.6 | 16.6 | 17.5 | 18.3 | 19.1 | 19.8 | 20.5 | 21.1 | 21.7 | 22.2 | 22.7 | 23.1 | 23.5 | 23.9 |
| 36 | 13.0 | 14.3 | 15.4 | 16.4 | 17.4 | 18.3 | 19.0 | 19.8 | 20.4 | 21.1 | 21.6 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 |
| 37 | 12.8 | 14.1 | 15.3 | 16.3 | 17.3 | 18.2 | 19.0 | 19.7 | 20.4 | 21.0 | 21.6 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 |
| 38 | 12.6 | 13.9 | 15.2 | 16.2 | 17.2 | 18.1 | 18.9 | 19.7 | 20.4 | 21.0 | 21.6 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 |
| 39 | 12.4 | 13.8 | 15.1 | 16.2 | 17.2 | 18.1 | 18.9 | 19.7 | 20.3 | 21.0 | 21.5 | 22.1 | 22.6 | 23.1 | 23.5 | 23.9 |
| 40 | 12.3 | 13.7 | 15.0 | 16.1 | 17.1 | 18.0 | 18.9 | 19.6 | 20.3 | 20.9 | 21.5 | 22.1 | 22.6 | 23.0 | 23.5 | 23.9 |
| 41 | 12.3 | 13.7 | 15.0 | 16.1 | 17.1 | 18.0 | 18.8 | 19.6 | 20.3 | 20.9 | 21.5 | 22.1 | 22.6 | 23.0 | 23.5 | 23.9 |
| 42 | 12.2 | 13.6 | 14.9 | 16.1 | 17.1 | 18.0 | 18.8 | 19.6 | 20.3 | 20.9 | 21.5 | 22.1 | 22.6 | 23.0 | 23.5 | 23.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.00

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 20 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 21 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 22 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.9 |
| 23 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.6 | 36.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.2 | 36.3 | 33.8 | 32.6 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.4 | 33.8 | 32.1 | 31.3 | 30.9 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.4 | 35.0 | 32.0 | 30.8 | 30.2 | 30.0 | 30.0 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.9 | 32.8 | 30.5 | 29.6 | 29.3 | 29.2 | 29.2 | 29.4 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 39.2 | 31.1 | 29.2 | 28.6 | 28.4 | 28.4 | 28.5 | 28.7 | 28.9 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 36.9 | 29.7 | 28.1 | 27.6 | 27.5 | 27.6 | 27.8 | 28.1 | 28.3 | 28.6 |
| 30 | 0. | 0. | 0. | 0. | 0. | 36.0 | 28.5 | 27.0 | 26.6 | 26.6 | 26.8 | 27.1 | 27.4 | 27.7 | 28.1 | 28.4 |
| 31 | 0. | 0. | 0. | 0. | 37.0 | 27.4 | 26.0 | 25.7 | 25.8 | 26.0 | 26.3 | 26.7 | 27.1 | 27.5 | 27.9 | 28.2 |
| 32 | 0. | 0. | 0. | 48.3 | 26.4 | 24.9 | 24.7 | 24.8 | 25.2 | 25.6 | 26.0 | 26.4 | 26.9 | 27.3 | 27.7 | 28.1 |
| 33 | 0. | 0. | 0. | 25.7 | 23.8 | 23.6 | 23.9 | 24.3 | 24.8 | 25.3 | 25.8 | 26.2 | 26.7 | 27.2 | 27.6 | 28.0 |
| 34 | 0. | 0. | 25.4 | 22.8 | 22.6 | 22.9 | 23.4 | 23.9 | 24.5 | 25.0 | 25.6 | 26.1 | 26.6 | 27.0 | 27.5 | 27.9 |
| 35 | 0. | 27.0 | 21.7 | 21.4 | 21.8 | 22.4 | 23.0 | 23.6 | 24.2 | 24.8 | 25.4 | 26.0 | 26.5 | 27.0 | 27.4 | 27.8 |
| 36 | 0. | 20.8 | 20.2 | 20.6 | 21.3 | 22.0 | 22.7 | 23.4 | 24.1 | 24.7 | 25.3 | 25.9 | 26.4 | 26.9 | 27.3 | 27.8 |
| 37 | 20.3 | 18.9 | 19.3 | 20.1 | 20.9 | 21.7 | 22.5 | 23.2 | 23.9 | 24.6 | 25.2 | 25.8 | 26.3 | 26.8 | 27.3 | 27.7 |
| 38 | 17.5 | 17.9 | 18.8 | 19.7 | 20.6 | 21.5 | 22.3 | 23.1 | 23.8 | 24.5 | 25.1 | 25.7 | 26.3 | 26.8 | 27.3 | 27.7 |
| 39 | 16.4 | 17.3 | 18.4 | 19.4 | 20.4 | 21.3 | 22.2 | 23.0 | 23.7 | 24.4 | 25.1 | 25.7 | 26.2 | 26.7 | 27.2 | 27.7 |
| 40 | 15.7 | 16.9 | 18.1 | 19.2 | 20.3 | 21.2 | 22.1 | 22.9 | 23.7 | 24.4 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.7 |
| 41 | 15.2 | 16.6 | 17.9 | 19.1 | 20.1 | 21.1 | 22.0 | 22.9 | 23.6 | 24.3 | 25.0 | 25.6 | 26.2 | 26.7 | 27.2 | 27.6 |
| 42 | 14.9 | 16.4 | 17.7 | 18.9 | 20.0 | 21.0 | 22.0 | 22.8 | 23.6 | 24.3 | 25.0 | 25.6 | 26.1 | 26.7 | 27.2 | 27.6 |
| 43 | 14.7 | 16.2 | 17.6 | 18.8 | 20.0 | 21.0 | 21.9 | 22.8 | 23.5 | 24.3 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.6 |
| | 14.5 | 16.1 | 17.5 | 18.8 | 19.9 | 20.9 | 21.9 | 22.7 | 23.5 | 24.2 | 24.9 | 25.5 | 26.1 | 26.6 | 27.1 | 27.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.36

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.5 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.9 | 39.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.[illegible] | 40.0 | 36.9 | 35.5 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 37.5 | 35.3 | 34.3 | 33.8 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.4 | 35.6 | 34.0 | 33.2 | 32.9 | 32.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.0 | 34.1 | 32.8 | 32.2 | 32.0 | 32.0 | 32.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.3 | 32.9 | 31.7 | 31.3 | 31.2 | 31.2 | 31.4 | 31.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.9 | 31.7 | 30.7 | 30.4 | 30.3 | 30.5 | 30.7 | 30.9 | 31.2 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 34.0 | 30.6 | 29.7 | 29.4 | 29.5 | 29.7 | 30.0 | 30.3 | 30.6 | 31.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 33.5 | 29.6 | 28.7 | 28.5 | 28.6 | 28.9 | 29.3 | 29.6 | 30.0 | 30.4 | 30.8 |
| 34 | 0. | 0. | 0. | 0. | 33.8 | 28.7 | 27.7 | 27.6 | 27.8 | 28.1 | 28.5 | 28.9 | 29.4 | 29.8 | 30.2 | 30.6 |
| 35 | 0. | 0. | 0. | 36.9 | 27.8 | 26.7 | 26.6 | 26.8 | 27.2 | 27.7 | 28.2 | 28.7 | 29.1 | 29.6 | 30.1 | 30.5 |
| 36 | 0. | 0. | 0. | 27.2 | 25.6 | 25.5 | 25.9 | 26.3 | 26.9 | 27.4 | 27.9 | 28.5 | 29.0 | 29.5 | 29.9 | 30.4 |
| 37 | 0. | 0. | 27.2 | 24.3 | 24.4 | 24.8 | 25.3 | 25.9 | 26.6 | 27.2 | 27.8 | 28.3 | 28.9 | 29.4 | 29.9 | 30.3 |
| 38 | 0. | 29.7 | 23.6 | 23.3 | 23.7 | 24.3 | 25.0 | 25.7 | 26.3 | 27.0 | 27.6 | 28.2 | 28.8 | 29.3 | 29.8 | 30.2 |
| 39 | 0. | 22.9 | 22.0 | 22.4 | 23.1 | 23.9 | 24.7 | 25.4 | 26.2 | 26.9 | 27.5 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 |
| 40 | 23.1 | 20.8 | 21.1 | 21.9 | 22.8 | 23.6 | 24.5 | 25.3 | 26.0 | 26.7 | 27.4 | 28.0 | 28.6 | 29.1 | 29.7 | 30.1 |
| 41 | 19.6 | 19.7 | 20.5 | 21.5 | 22.5 | 23.4 | 24.3 | 25.1 | 25.9 | 26.6 | 27.3 | 28.0 | 28.5 | 29.1 | 29.6 | 30.1 |
| 42 | 18.1 | 19.0 | 20.1 | 21.2 | 22.2 | 23.2 | 24.2 | 25.0 | 25.8 | 26.6 | 27.3 | 27.9 | 28.5 | 29.1 | 29.6 | 30.1 |
| 43 | 17.3 | 18.5 | 19.8 | 21.0 | 22.1 | 23.1 | 24.1 | 24.9 | 25.8 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.6 | 30.1 |
| 44 | 16.7 | 18.2 | 19.5 | 20.8 | 21.9 | 23.0 | 24.0 | 24.9 | 25.7 | 26.5 | 27.2 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 45 | 16.4 | 17.9 | 19.3 | 20.6 | 21.8 | 22.9 | 23.9 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 46 | 16.1 | 17.7 | 19.2 | 20.5 | 21.7 | 22.8 | 23.8 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 47 | 15.9 | 17.6 | 19.1 | 20.4 | 21.7 | 22.8 | 23.8 | 24.7 | 25.6 | 26.3 | 27.1 | 27.7 | 28.4 | 28.9 | 29.5 | 30.0 |
| 48 | 15.7 | 17.4 | 19.0 | 20.4 | 21.6 | 22.7 | 23.7 | 24.7 | 25.5 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.5 | 30.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.36

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.5 |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.9 | 39.1 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.[illegible] | 40.0 | 36.9 | 35.5 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.2 | 37.5 | 35.3 | 34.3 | 33.8 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 40.4 | 35.6 | 34.0 | 33.2 | 32.9 | 32.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 38.0 | 34.1 | 32.8 | 32.2 | 32.0 | 32.0 | 32.1 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 36.3 | 32.9 | 31.7 | 31.3 | 31.2 | 31.2 | 31.4 | 31.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 34.9 | 31.7 | 30.7 | 30.4 | 30.3 | 30.5 | 30.7 | 30.9 | 31.2 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 34.0 | 30.6 | 29.7 | 29.4 | 29.5 | 29.7 | 30.0 | 30.3 | 30.6 | 31.0 |
| 33 | 0. | 0. | 0. | 0. | 0. | 33.5 | 29.6 | 28.7 | 28.5 | 28.6 | 28.9 | 29.3 | 29.6 | 30.0 | 30.4 | 30.8 |
| 34 | 0. | 0. | 0. | 0. | 33.8 | 28.7 | 27.7 | 27.6 | 27.8 | 28.1 | 28.5 | 28.9 | 29.4 | 29.8 | 30.2 | 30.6 |
| 35 | 0. | 0. | 0. | 36.9 | 27.8 | 26.7 | 26.6 | 26.8 | 27.2 | 27.7 | 28.2 | 28.7 | 29.1 | 29.6 | 30.1 | 30.5 |
| 36 | 0. | 0. | 0. | 27.2 | 25.6 | 25.5 | 25.9 | 26.3 | 26.9 | 27.4 | 27.9 | 28.5 | 29.0 | 29.5 | 29.9 | 30.4 |
| 37 | 0. | 0. | 27.2 | 24.3 | 24.4 | 24.8 | 25.3 | 25.9 | 26.6 | 27.2 | 27.8 | 28.3 | 28.9 | 29.4 | 29.9 | 30.3 |
| 38 | 0. | 29.7 | 23.6 | 23.3 | 23.7 | 24.3 | 25.0 | 25.7 | 26.3 | 27.0 | 27.6 | 28.2 | 28.8 | 29.3 | 29.8 | 30.2 |
| 39 | 0. | 22.9 | 22.0 | 22.4 | 23.1 | 23.9 | 24.7 | 25.4 | 26.2 | 26.9 | 27.5 | 28.1 | 28.7 | 29.2 | 29.7 | 30.2 |
| 40 | 23.1 | 20.8 | 21.1 | 21.9 | 22.8 | 23.6 | 24.5 | 25.3 | 26.0 | 26.7 | 27.4 | 28.0 | 28.6 | 29.1 | 29.7 | 30.1 |
| 41 | 19.6 | 19.7 | 20.5 | 21.5 | 22.5 | 23.4 | 24.3 | 25.1 | 25.9 | 26.6 | 27.3 | 28.0 | 28.5 | 29.1 | 29.6 | 30.1 |
| 42 | 18.1 | 19.0 | 20.1 | 21.2 | 22.2 | 23.2 | 24.2 | 25.0 | 25.8 | 26.6 | 27.3 | 27.9 | 28.5 | 29.1 | 29.6 | 30.1 |
| 43 | 17.[illegible] | 18.5 | 19.8 | 21.0 | 22.1 | 23.1 | 24.1 | 24.9 | 25.8 | 26.5 | 27.2 | 27.9 | 28.5 | 29.0 | 29.6 | 30.1 |
| 44 | 16.[illegible] | 18.2 | 19.5 | 20.8 | 21.9 | 23.0 | 24.0 | 24.9 | 25.7 | 26.5 | 27.2 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 45 | 16.4 | 17.9 | 19.3 | 20.6 | 21.8 | 22.9 | 23.9 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 46 | 16.1 | 17.7 | 19.2 | 20.5 | 21.7 | 22.8 | 23.8 | 24.8 | 25.6 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.5 | 30.0 |
| 47 | 15.9 | 17.6 | 19.1 | 20.4 | 21.7 | 22.8 | 23.8 | 24.7 | 25.6 | 26.3 | 27.1 | 27.7 | 28.4 | 28.9 | 29.5 | 30.0 |
| 48 | 15.7 | 17.4 | 19.0 | 20.4 | 21.6 | 22.7 | 23.7 | 24.7 | 25.5 | 26.3 | 27.0 | 27.7 | 28.3 | 28.9 | 29.5 | 30.0 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.50

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.8 |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.2 | 42.3 | 38.9 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.4 | 39.5 | 37.2 | 36.1 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.4 | 37.6 | 35.8 | 34.9 | 34.5 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 95.0 | 39.8 | 36.0 | 34.5 | 33.9 | 33.6 | 33.6 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.0 | 37.9 | 34.6 | 33.5 | 33.0 | 32.8 | 32.8 | 32.9 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.5 | 36.4 | 33.5 | 32.4 | 32.0 | 32.0 | 32.1 | 32.2 | 32.5 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 117.1 | 35.3 | 32.4 | 31.4 | 31.1 | 31.2 | 31.3 | 31.5 | 31.8 | 32.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 34.5 | 31.4 | 30.5 | 30.2 | 30.3 | 30.5 | 30.8 | 31.2 | 31.5 | 31.9 |
| 34 | 0. | 0. | 0. | 0. | 0. | 34.2 | 30.4 | 29.5 | 29.3 | 29.5 | 29.7 | 30.1 | 30.5 | 30.9 | 31.3 | 31.7 |
| 35 | 0. | 0. | 0. | 0. | 34.7 | 29.5 | 28.5 | 28.4 | 28.6 | 28.9 | 29.3 | 29.8 | 30.2 | 30.7 | 31.1 | 31.5 |
| 36 | 0. | 0. | 0. | 38.7 | 28.7 | 27.5 | 27.4 | 27.6 | 28.0 | 28.5 | 29.0 | 29.5 | 30.0 | 30.5 | 30.9 | 31.4 |
| 37 | 0. | 0. | 0. | 28.2 | 26.5 | 26.3 | 26.6 | 27.1 | 27.7 | 28.2 | 28.8 | 29.3 | 29.8 | 30.3 | 30.8 | 31.3 |
| 38 | 0. | 0. | 28.5 | 25.5 | 25.2 | 25.6 | 26.1 | 26.7 | 27.4 | 28.0 | 28.6 | 29.2 | 29.7 | 30.2 | 30.7 | 31.2 |
| 39 | 0. | 32.8 | 24.6 | 24.1 | 24.4 | 25.0 | 25.7 | 26.4 | 27.1 | 27.8 | 28.4 | 29.0 | 29.6 | 30.1 | 30.7 | 31.1 |
| 40 | 0. | 24.0 | 22.9 | 23.2 | 23.9 | 24.7 | 25.4 | 26.2 | 27.0 | 27.7 | 28.3 | 28.9 | 29.5 | 30.1 | 30.6 | 31.1 |
| 41 | 25.0 | 21.6 | 21.9 | 22.6 | 23.5 | 24.4 | 25.2 | 26.0 | 26.8 | 27.5 | 28.2 | 28.9 | 29.5 | 30.0 | 30.5 | 31.0 |
| 42 | 20.6 | 20.4 | 21.2 | 22.2 | 23.2 | 24.1 | 25.0 | 25.9 | 26.7 | 27.4 | 28.1 | 28.8 | 29.4 | 30.0 | 30.5 | 31.0 |
| 43 | 18.9 | 19.7 | 20.8 | 21.9 | 22.9 | 24.0 | 24.9 | 25.8 | 26.6 | 27.4 | 28.1 | 28.7 | 29.3 | 29.9 | 30.5 | 31.0 |
| 44 | 18.0 | 19.2 | 20.4 | 21.6 | 22.8 | 23.8 | 24.8 | 25.7 | 26.5 | 27.3 | 28.0 | 28.7 | 29.3 | 29.9 | 30.4 | 30.9 |
| 45 | 17.4 | 18.8 | 20.2 | 21.4 | 22.6 | 23.7 | 24.7 | 25.6 | 26.5 | 27.2 | 28.0 | 28.6 | 29.3 | 29.9 | 30.4 | 30.9 |
| 46 | 17.0 | 18.5 | 20.0 | 21.3 | 22.5 | 23.6 | 24.6 | 25.5 | 26.4 | 27.2 | 27.9 | 28.6 | 29.2 | 29.8 | 30.4 | 30.9 |
| 47 | 15.6 | 18.3 | 19.8 | 21.2 | 22.4 | 23.5 | 24.6 | 25.5 | 26.4 | 27.2 | 27.9 | 28.6 | 29.2 | 29.8 | 30.4 | 30.9 |
| 48 | 16.4 | 18.1 | 19.7 | 21.1 | 22.3 | 23.5 | 24.5 | 25.4 | 26.3 | 27.1 | 27.9 | 28.6 | 29.2 | 29.8 | 30.3 | 30.9 |

MAXIMUM FILLING COVER FACTORS [K2] IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.75

OXFORD FABRICS

| WARP COVER FACTOR [K1] | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.7 |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.2 | 42.1 |
| 28 | 0. | 0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.4 | 43.7 | 40.1 | 38.5 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.0 | 41.3 | 38.5 | 37.3 | 36.7 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.0 | 39.5 | 37.2 | 36.2 | 35.7 | 35.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.6 | 38.1 | 36.0 | 35.2 | 34.9 | 34.8 | 34.8 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 43.2 | 36.8 | 35.0 | 34.2 | 34.0 | 34.0 | 34.1 | 34.3 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.7 | 35.7 | 33.9 | 33.3 | 33.1 | 33.2 | 33.3 | 33.6 | 33.9 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 43.4 | 34.8 | 33.0 | 32.4 | 32.3 | 32.4 | 32.6 | 32.9 | 33.2 | 33.6 |
| 35 | 0. | 0. | 0. | 0. | 0. | 47.8 | 34.1 | 32.0 | 31.4 | 31.4 | 31.6 | 31.8 | 32.2 | 32.6 | 32.9 | 33.3 |
| 36 | 0. | 0. | 0. | 0. | 0. | 33.6 | 31.1 | 30.5 | 30.5 | 30.7 | 31.0 | 31.4 | 31.9 | 32.3 | 32.7 | 33.1 |
| 37 | 0. | 0. | 0. | 0. | 33.8 | 30.2 | 29.5 | 29.5 | 29.8 | 30.2 | 30.7 | 31.1 | 31.6 | 32.1 | 32.6 | 33.0 |
| 38 | 0. | 0. | 0. | 35.6 | 29.4 | 28.5 | 28.5 | 28.8 | 29.3 | 29.8 | 30.4 | 30.9 | 31.4 | 31.9 | 32.4 | 32.9 |
| 39 | 0. | 0. | 59.7 | 28.9 | 27.5 | 27.4 | 27.8 | 28.4 | 28.9 | 29.5 | 30.1 | 30.7 | 31.3 | 31.8 | 32.3 | 32.8 |
| 40 | 0. | 0. | 29.0 | 26.5 | 26.3 | 26.7 | 27.3 | 28.0 | 28.7 | 29.3 | 30.0 | 30.6 | 31.1 | 31.7 | 32.2 | 32.7 |
| 41 | 0. | 32.4 | 25.5 | 25.1 | 25.6 | 26.2 | 27.0 | 27.7 | 28.4 | 29.1 | 29.8 | 30.4 | 31.0 | 31.6 | 32.1 | 32.6 |
| 42 | 0. | 25.0 | 23.9 | 24.3 | 25.0 | 25.8 | 26.7 | 27.5 | 28.3 | 29.0 | 29.7 | 30.3 | 31.0 | 31.5 | 32.1 | 32.6 |
| 43 | 26.3 | 22.7 | 22.9 | 23.7 | 24.6 | 25.6 | 26.5 | 27.3 | 28.1 | 28.9 | 29.6 | 30.3 | 30.9 | 31.5 | 32.0 | 32.5 |
| 44 | 21.7 | 21.5 | 22.3 | 23.3 | 24.3 | 25.3 | 26.3 | 27.2 | 28.0 | 28.8 | 29.5 | 30.2 | 30.8 | 31.4 | 32.0 | 32.5 |
| 45 | 19.9 | 20.7 | 21.8 | 23.0 | 24.1 | 25.1 | 26.1 | 27.1 | 27.9 | 28.7 | 29.4 | 30.1 | 30.8 | 31.4 | 31.9 | 32.5 |
| 46 | 19.0 | 20.2 | 21.5 | 22.7 | 23.9 | 25.0 | 26.0 | 27.0 | 27.8 | 28.6 | 29.4 | 30.1 | 30.7 | 31.3 | 31.9 | 32.5 |
| 47 | 18.3 | 19.8 | 21.2 | 22.5 | 23.7 | 24.9 | 25.9 | 26.9 | 27.8 | 28.6 | 29.3 | 30.0 | 30.7 | 31.3 | 31.9 | 32.4 |
| 48 | 17.9 | 19.5 | 21.0 | 22.4 | 23.6 | 24.8 | 25.8 | 26.8 | 27.7 | 28.5 | 29.3 | 30.0 | 30.7 | 31.3 | 31.9 | 32.4 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =2.95

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.8 |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 101.1 | 43.4 | 43.4 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.5 | 45.3 | 41.5 | 39.9 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.9 | 43.0 | 40.0 | 38.7 | 38.0 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 50.2 | 41.3 | 38.7 | 37.6 | 37.1 | 36.9 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.1 | 39.9 | 37.6 | 36.6 | 36.2 | 36.1 | 36.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.2 | 38.8 | 36.5 | 35.7 | 35.3 | 35.3 | 35.4 | 35.6 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.8 | 37.8 | 35.5 | 34.7 | 34.5 | 34.5 | 34.6 | 34.9 | 35.1 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 51.8 | 37.0 | 34.6 | 33.8 | 33.6 | 33.7 | 33.9 | 34.2 | 34.5 | 34.8 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 36.6 | 33.7 | 32.9 | 32.7 | 32.8 | 33.1 | 33.4 | 33.8 | 34.2 | 34.6 |
| 37 | 0. | 0. | 0. | 0. | 0. | 36.6 | 32.8 | 31.9 | 31.8 | 32.0 | 32.3 | 32.7 | 33.1 | 33.5 | 34.0 | 34.4 |
| 38 | 0. | 0. | 0. | 0. | 38.0 | 32.1 | 31.0 | 30.8 | 31.0 | 31.4 | 31.9 | 32.3 | 32.8 | 33.3 | 33.8 | 34.2 |
| 39 | 0. | 0. | 0. | 46.1 | 31.6 | 30.0 | 29.8 | 30.1 | 30.5 | 31.0 | 31.5 | 32.1 | 32.6 | 33.1 | 33.6 | 34.1 |
| 40 | 0. | 0. | 0. | 31.6 | 29.1 | 28.8 | 29.1 | 29.5 | 30.1 | 30.7 | 31.3 | 31.9 | 32.4 | 33.0 | 33.5 | 34.0 |
| 41 | 0. | 0. | 33.4 | 28.2 | 27.7 | 28.0 | 28.5 | 29.1 | 29.8 | 30.5 | 31.1 | 31.7 | 32.3 | 32.9 | 33.4 | 33.9 |
| 42 | 0. | 0. | 27.7 | 26.6 | 26.8 | 27.4 | 28.1 | 28.8 | 29.6 | 30.3 | 30.9 | 31.6 | 32.2 | 32.8 | 33.3 | 33.8 |
| 43 | 0. | 28.1 | 25.5 | 25.5 | 26.2 | 26.9 | 27.8 | 28.6 | 29.4 | 30.1 | 30.8 | 31.5 | 32.1 | 32.7 | 33.3 | 33.8 |
| 44 | 40.0 | 24.5 | 24.2 | 24.8 | 25.7 | 26.6 | 27.5 | 28.4 | 29.2 | 30.0 | 30.7 | 31.4 | 32.0 | 32.6 | 33.2 | 33.7 |
| 45 | 24.3 | 22.9 | 23.4 | 24.3 | 25.4 | 26.4 | 27.3 | 28.2 | 29.1 | 29.9 | 30.6 | 31.3 | 32.0 | 32.6 | 33.2 | 33.7 |
| 46 | 21.6 | 21.9 | 22.9 | 24.0 | 25.1 | 26.1 | 27.1 | 28.1 | 29.0 | 29.8 | 30.5 | 31.2 | 31.9 | 32.5 | 33.1 | 33.7 |
| 47 | 20.2 | 21.2 | 22.4 | 23.7 | 24.9 | 26.0 | 27.0 | 28.0 | 28.9 | 29.7 | 30.5 | 31.2 | 31.9 | 32.5 | 33.1 | 33.6 |
| 48 | 19.4 | 20.7 | 22.1 | 23.4 | 24.7 | 25.8 | 26.9 | 27.9 | 28.8 | 29.6 | 30.4 | 31.1 | 31.8 | 32.5 | 33.0 | 33.6 |
| 49 | 18.8 | 20.4 | 21.9 | 23.3 | 24.5 | 25.7 | 26.8 | 27.8 | 28.7 | 29.6 | 30.4 | 31.1 | 31.8 | 32.4 | 33.0 | 33.6 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.25

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 26 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 27 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 28 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 70.8 |
| 29 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.1 | 48.0 |
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 52.8 | 45.7 | 43.1 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 49.6 | 43.9 | 41.8 | 40.7 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.5 | 42.5 | 40.6 | 39.7 | 39.3 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 45.9 | 41.3 | 39.5 | 38.8 | 38.4 | 38.3 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.9 | 40.2 | 38.5 | 37.8 | 37.6 | 37.6 | 37.6 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.4 | 39.2 | 37.6 | 36.9 | 36.7 | 36.8 | 36.9 | 37.2 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.6 | 38.4 | 36.7 | 36.0 | 35.9 | 36.0 | 36.2 | 36.5 | 36.8 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 46.4 | 37.7 | 35.8 | 35.1 | 35.0 | 35.2 | 35.4 | 35.8 | 36.1 | 36.5 |
| 38 | 0. | 0. | 0. | 0. | 0. | 54.5 | 37.3 | 34.9 | 34.2 | 34.2 | 34.3 | 34.6 | 35.0 | 35.4 | 35.8 | 36.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 37.3 | 34.1 | 33.3 | 33.2 | 33.4 | 33.8 | 34.2 | 34.7 | 35.1 | 35.6 | 36.1 |
| 40 | 0. | 0. | 0. | 0. | 38.6 | 33.4 | 32.4 | 32.3 | 32.5 | 32.9 | 33.4 | 33.9 | 34.4 | 34.9 | 35.4 | 35.9 |
| 41 | 0. | 0. | 0. | 45.6 | 32.9 | 31.4 | 31.3 | 31.5 | 32.0 | 32.5 | 33.1 | 33.7 | 34.2 | 34.8 | 35.3 | 35.8 |
| 42 | 0. | 0. | 0. | 33.1 | 30.5 | 30.2 | 30.5 | 31.0 | 31.6 | 32.2 | 32.8 | 33.5 | 34.1 | 34.6 | 35.2 | 35.7 |
| 43 | 0. | 0. | 35.4 | 29.7 | 29.1 | 29.4 | 29.9 | 30.6 | 31.3 | 32.0 | 32.6 | 33.3 | 33.9 | 34.5 | 35.1 | 35.6 |
| 44 | 0. | 0. | 29.3 | 28.0 | 28.2 | 28.8 | 29.5 | 30.3 | 31.0 | 31.8 | 32.5 | 33.2 | 33.8 | 34.4 | 35.0 | 35.5 |
| 45 | 0. | 30.4 | 26.9 | 26.9 | 27.5 | 28.3 | 29.2 | 30.0 | 30.8 | 31.6 | 32.4 | 33.0 | 33.7 | 34.3 | 34.9 | 35.5 |
| 46 | 0. | 26.2 | 25.6 | 26.2 | 27.1 | 28.0 | 28.9 | 29.8 | 30.7 | 31.5 | 32.2 | 33.0 | 33.6 | 34.3 | 34.9 | 35.4 |
| 47 | 26.7 | 24.3 | 24.7 | 25.7 | 26.7 | 27.7 | 28.7 | 29.7 | 30.5 | 31.4 | 32.1 | 32.9 | 33.6 | 34.2 | 34.8 | 35.4 |
| 48 | 23.2 | 23.2 | 24.1 | 25.3 | 26.4 | 27.5 | 28.5 | 29.5 | 30.4 | 31.3 | 32.1 | 32.8 | 33.5 | 34.2 | 34.8 | 35.3 |
| 49 | 21.6 | 22.4 | 23.7 | 24.9 | 26.2 | 27.3 | 28.4 | 29.4 | 30.3 | 31.2 | 32.0 | 32.8 | 33.5 | 34.1 | 34.7 | 35.3 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.54

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 73.8 | 52.5 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.0 | 49.8 | 46.1 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.2 | 47.8 | 44.7 | 43.2 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.5 | 46.3 | 43.4 | 42.1 | 41.5 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.1 | 45.0 | 42.3 | 41.1 | 40.6 | 40.4 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 53.9 | 44.0 | 41.3 | 40.2 | 39.7 | 39.6 | 39.6 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.5 | 43.2 | 40.4 | 39.3 | 38.9 | 38.8 | 38.8 | 39.0 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.7 | 42.7 | 39.5 | 38.4 | 38.0 | 38.0 | 38.1 | 38.3 | 38.6 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 42.6 | 38.7 | 37.5 | 37.1 | 37.1 | 37.3 | 37.6 | 37.9 | 38.2 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 43.2 | 38.0 | 36.6 | 36.3 | 36.3 | 36.5 | 36.8 | 37.2 | 37.6 | 38.0 |
| 40 | 0. | 0. | 0. | 0. | 0. | 46.1 | 37.5 | 35.8 | 35.3 | 35.4 | 35.6 | 36.0 | 36.4 | 36.9 | 37.3 | 37.8 |
| 41 | 0. | 0. | 0. | 0. | 66.5 | 37.4 | 35.0 | 34.4 | 34.4 | 34.7 | 35.2 | 35.6 | 36.1 | 36.6 | 37.1 | 37.6 |
| 42 | 0. | 0. | 0. | 0. | 38.2 | 34.2 | 33.4 | 33.5 | 33.8 | 34.3 | 34.8 | 35.3 | 35.9 | 36.4 | 36.9 | 37.4 |
| 43 | 0. | 0. | 0. | 42.3 | 33.7 | 32.5 | 32.4 | 32.8 | 33.3 | 33.9 | 34.5 | 35.1 | 35.7 | 36.2 | 36.8 | 37.3 |
| 44 | 0. | 0. | 0. | 33.7 | 31.6 | 31.4 | 31.7 | 32.3 | 32.9 | 33.6 | 34.2 | 34.9 | 35.5 | 36.1 | 36.7 | 37.2 |
| 45 | 0. | 0. | 35.7 | 30.7 | 30.2 | 30.6 | 31.2 | 31.9 | 32.6 | 33.3 | 34.1 | 34.7 | 35.4 | 36.0 | 36.6 | 37.1 |
| 46 | 0. | 0. | 30.3 | 29.1 | 29.4 | 30.0 | 30.8 | 31.6 | 32.4 | 33.1 | 33.9 | 34.6 | 35.3 | 35.9 | 36.5 | 37.1 |
| 47 | 0. | 31.5 | 28.1 | 28.1 | 28.7 | 29.6 | 30.4 | 31.3 | 32.2 | 33.0 | 33.8 | 34.5 | 35.2 | 35.8 | 36.4 | 37.0 |
| 48 | 0. | 27.3 | 26.7 | 27.3 | 28.2 | 29.2 | 30.2 | 31.1 | 32.0 | 32.9 | 33.7 | 34.4 | 35.1 | 35.8 | 36.4 | 37.0 |
| 49 | 28.2 | 25.4 | 25.9 | 26.8 | 27.9 | 28.9 | 30.0 | 31.0 | 31.9 | 32.7 | 33.6 | 34.3 | 35.0 | 35.7 | 36.3 | 36.9 |
| 50 | 24.4 | 24.3 | 25.2 | 26.4 | 27.6 | 28.7 | 29.8 | 30.8 | 31.8 | 32.7 | 33.5 | 34.3 | 35.0 | 35.7 | 36.3 | 36.9 |
| 51 | 22.7 | 23.5 | 24.8 | 26.1 | 27.3 | 28.5 | 29.7 | 30.7 | 31.7 | 32.6 | 33.4 | 34.2 | 34.9 | 35.6 | 36.2 | 36.9 |
| 52 | 21.7 | 23.0 | 24.4 | 25.8 | 27.1 | 28.4 | 29.5 | 30.6 | 31.6 | 32.5 | 33.4 | 34.1 | 34.9 | 35.6 | 36.2 | 36.8 |
| 53 | 21.0 | 22.5 | 24.1 | 25.6 | 27.0 | 28.3 | 29.4 | 30.5 | 31.5 | 32.4 | 33.3 | 34.1 | 34.8 | 35.5 | 36.2 | 36.8 |
| 54 | 20.5 | 22.2 | 23.9 | 25.4 | 26.9 | 28.2 | 29.3 | 30.4 | 31.5 | 32.4 | 33.3 | 34.1 | 34.8 | 35.5 | 36.2 | 36.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =3.75

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 84.6 |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 68.0 | 52.8 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 61.7 | 50.6 | 47.1 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.3 | 48.8 | 45.8 | 44.3 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.4 | 47.4 | 44.6 | 43.3 | 42.7 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.5 | 46.3 | 43.5 | 42.3 | 41.8 | 41.6 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.0 | 45.4 | 42.6 | 41.4 | 40.9 | 40.8 | 40.8 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 58.9 | 44.8 | 41.7 | 40.5 | 40.1 | 39.9 | 40.0 | 40.2 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 72.4 | 44.4 | 40.9 | 39.7 | 39.2 | 39.1 | 39.2 | 39.5 | 39.7 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 44.6 | 40.2 | 38.8 | 38.3 | 38.3 | 38.5 | 38.7 | 39.0 | 39.4 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 46.0 | 39.6 | 37.9 | 37.5 | 37.4 | 37.6 | 37.9 | 38.3 | 38.7 | 39.1 |
| 41 | 0. | 0. | 0. | 0. | 0. | 51.2 | 39.3 | 37.1 | 36.6 | 36.5 | 36.8 | 37.1 | 37.5 | 38.0 | 38.4 | 38.9 |
| 42 | 0. | 0. | 0. | 0. | 0. | 39.5 | 36.4 | 35.6 | 35.6 | 35.9 | 36.3 | 36.7 | 37.2 | 37.7 | 38.2 | 38.7 |
| 43 | 0. | 0. | 0. | 0. | 41.1 | 35.8 | 34.7 | 34.6 | 34.9 | 35.4 | 35.9 | 36.4 | 37.0 | 37.5 | 38.1 | 38.6 |
| 44 | 0. | 0. | 0. | 50.6 | 35.5 | 33.8 | 33.6 | 33.9 | 34.4 | 35.0 | 35.6 | 36.2 | 36.8 | 37.3 | 37.9 | 38.4 |
| 45 | 0. | 0. | 0. | 36.1 | 33.0 | 32.6 | 32.8 | 33.4 | 34.0 | 34.6 | 35.3 | 36.0 | 36.6 | 37.2 | 37.8 | 38.3 |
| 46 | 0. | 0. | 40.8 | 32.4 | 31.5 | 31.7 | 32.2 | 32.9 | 33.7 | 34.4 | 35.1 | 35.8 | 36.5 | 37.1 | 37.7 | 38.3 |
| 47 | 0. | 0. | 32.5 | 30.4 | 30.5 | 31.1 | 31.8 | 32.6 | 33.4 | 34.2 | 34.9 | 35.7 | 36.3 | 37.0 | 37.6 | 38.2 |
| 48 | 0. | 35.9 | 29.6 | 29.2 | 29.8 | 30.6 | 31.4 | 32.3 | 33.2 | 34.0 | 34.8 | 35.5 | 36.2 | 36.9 | 37.5 | 38.1 |
| 49 | 0. | 20.4 | 28.0 | 28.4 | 29.2 | 30.2 | 31.2 | 32.1 | 33.0 | 33.9 | 34.7 | 35.4 | 36.2 | 36.8 | 37.5 | 38.1 |
| 50 | 33.0 | 26.9 | 27.0 | 27.8 | 28.8 | 29.9 | 30.9 | 31.9 | 32.9 | 33.7 | 34.6 | 35.4 | 36.1 | 36.8 | 37.4 | 38.0 |
| 51 | 26.4 | 25.5 | 26.2 | 27.3 | 28.5 | 29.7 | 30.7 | 31.8 | 32.7 | 33.6 | 34.5 | 35.3 | 36.0 | 36.7 | 37.4 | 38.0 |
| 52 | 24.1 | 24.5 | 25.7 | 27.0 | 28.2 | 29.5 | 30.6 | 31.7 | 32.6 | 33.6 | 34.4 | 35.2 | 36.0 | 36.7 | 37.3 | 37.9 |
| 53 | 22.8 | 23.9 | 25.3 | 26.7 | 28.0 | 29.3 | 30.5 | 31.5 | 32.6 | 33.5 | 34.4 | 35.2 | 35.9 | 36.6 | 37.3 | 37.9 |
| 54 | 21.9 | 23.4 | 25.0 | 26.5 | 27.9 | 29.2 | 30.3 | 31.5 | 32.5 | 33.4 | 34.3 | 35.1 | 35.9 | 36.6 | 37.3 | 37.9 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.00

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 85.1 |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 71.0 | 54.7 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.3 | 52.6 | 48.8 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.2 | 51.0 | 47.5 | 45.9 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.8 | 49.7 | 46.4 | 44.9 | 44.2 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 60.9 | 48.7 | 45.4 | 44.0 | 43.3 | 43.1 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 63.5 | 47.9 | 44.5 | 43.1 | 42.5 | 42.2 | 42.2 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 74.4 | 47.5 | 43.7 | 42.2 | 41.6 | 41.4 | 41.5 | 41.6 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 47.6 | 42.9 | 41.4 | 40.8 | 40.6 | 40.7 | 40.9 | 41.1 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 48.7 | 42.4 | 40.5 | 39.9 | 39.8 | 39.9 | 40.1 | 40.4 | 40.8 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 52.5 | 42.0 | 39.8 | 39.0 | 38.9 | 39.1 | 39.3 | 39.7 | 40.1 | 40.5 |
| 42 | 0. | 0. | 0. | 0 | 0. | 78.7 | 42.1 | 39.0 | 38.2 | 38.0 | 38.2 | 38.5 | 38.9 | 39.3 | 39.8 | 40.2 |
| 43 | 0. | 0. | 0. | 0. | 0. | 43.3 | 38.5 | 37.3 | 37.1 | 37.3 | 37.6 | 38.1 | 38.6 | 39.1 | 39.6 | 40.0 |
| 44 | 0. | 0. | 0. | 0. | 48.2 | 38.1 | 36.4 | 36.1 | 36.3 | 36.7 | 37.2 | 37.7 | 38.3 | 38.8 | 39.4 | 39.9 |
| 45 | 0. | 0. | 0. | 0. | 38.5 | 35.7 | 35.1 | 35.3 | 35.7 | 36.3 | 36.9 | 37.5 | 38.1 | 38.6 | 39.2 | 39.8 |
| 46 | 0. | 0. | 0. | 40.9 | 35.1 | 34.2 | 34.2 | 34.7 | 35.3 | 35.9 | 36.6 | 37.2 | 37.9 | 38.5 | 39.1 | 39.6 |
| 47 | 0. | 0. | 94.7 | 35.0 | 33.2 | 33.1 | 33.6 | 34.2 | 34.9 | 35.6 | 36.4 | 37.0 | 37.7 | 38.4 | 39.0 | 39.5 |
| 48 | 0. | 0. | 36.5 | 32.4 | 32.6 | 32.4 | 33.1 | 33.8 | 34.6 | 35.4 | 36.2 | 36.9 | 37.6 | 38.2 | 38.9 | 39.5 |
| 49 | 0. | 67.6 | 31.9 | 30.8 | 31.1 | 31.8 | 32.7 | 33.5 | 34.4 | 35.2 | 36.0 | 36.8 | 37.5 | 38.2 | 38.8 | 39.4 |
| 50 | 0. | 33.2 | 29.8 | 29.8 | 30.5 | 31.4 | 32.4 | 33.3 | 34.2 | 35.1 | 35.9 | 36.7 | 37.4 | 38.1 | 38.7 | 39.3 |
| 51 | 0. | 29.1 | 28.4 | 29.1 | 30.0 | 31.1 | 32.1 | 33.1 | 34.0 | 34.9 | 35.8 | 36.6 | 37.3 | 38.0 | 38.7 | 39.3 |
| 52 | 30.6 | 27.2 | 27.5 | 28.5 | 29.7 | 30.8 | 31.9 | 32.9 | 33.9 | 34.8 | 35.7 | 36.5 | 37.2 | 38.0 | 38.6 | 39.2 |
| 53 | 26.3 | 26.0 | 26.9 | 28.1 | 29.4 | 30.6 | 31.7 | 32.8 | 33.8 | 34.7 | 35.6 | 36.4 | 37.2 | 37.9 | 38.6 | 39.2 |
| 54 | 24.4 | 25.1 | 26.4 | 27.8 | 29.1 | 30.4 | 31.6 | 32.7 | 33.7 | 34.6 | 35.5 | 36.4 | 37.1 | 37.9 | 38.5 | 39.2 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.13

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 30 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 31 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 32 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 62.5 |
| 33 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.1 | 52.1 |
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.8 | 50.5 | 48.0 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 55.3 | 49.3 | 46.9 | 45.8 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.3 | 48.2 | 45.9 | 44.9 | 44.4 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.0 | 47.3 | 45.0 | 44.0 | 43.5 | 43.4 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 54.5 | 46.6 | 44.1 | 43.1 | 42.7 | 42.6 | 42.6 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 56.9 | 46.1 | 43.3 | 42.3 | 41.9 | 41.8 | 41.9 | 42.1 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 65.4 | 45.9 | 42.6 | 41.4 | 41.0 | 41.0 | 41.1 | 41.4 | 41.7 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 46.3 | 42.0 | 40.6 | 40.2 | 40.1 | 40.3 | 40.6 | 40.9 | 41.3 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 48.0 | 41.5 | 39.8 | 39.3 | 39.3 | 39.5 | 39.8 | 40.2 | 40.6 | 41.0 |
| 43 | 0. | 0. | 0. | 0. | 0. | 54.6 | 41.3 | 39.0 | 38.4 | 38.4 | 38.6 | 39.0 | 39.4 | 39.9 | 40.3 | 40.8 |
| 44 | 0. | 0. | 0. | 0. | 0. | 41.9 | 38.3 | 37.5 | 37.4 | 37.7 | 38.1 | 38.6 | 39.1 | 39.6 | 40.1 | 40.6 |
| 45 | 0. | 0. | 0. | 0. | 44.5 | 37.9 | 36.6 | 36.4 | 36.7 | 37.2 | 37.7 | 38.3 | 38.8 | 39.4 | 40.0 | 40.5 |
| 46 | 0. | 0. | 0. | 66.8 | 37.9 | 35.8 | 35.4 | 35.7 | 36.2 | 36.7 | 37.4 | 38.0 | 38.6 | 39.2 | 39.8 | 40.4 |
| 47 | 0. | 0. | 0. | 39.4 | 35.0 | 34.4 | 34.6 | 35.1 | 35.7 | 36.4 | 37.1 | 37.8 | 38.4 | 39.1 | 39.7 | 40.3 |
| 48 | 0. | 0. | 50.4 | 34.7 | 33.4 | 33.5 | 34.0 | 34.7 | 35.4 | 36.2 | 36.9 | 37.6 | 38.3 | 38.9 | 39.6 | 40.2 |
| 49 | 0. | 0. | 35.7 | 32.5 | 32.3 | 32.8 | 33.5 | 34.3 | 35.1 | 35.9 | 36.7 | 37.5 | 38.2 | 38.8 | 39.5 | 40.1 |
| 50 | 0. | 46.1 | 31.9 | 31.1 | 31.5 | 32.2 | 33.1 | 34.0 | 34.9 | 35.8 | 36.6 | 37.3 | 38.1 | 38.8 | 39.4 | 40.0 |
| 51 | 0. | 32.6 | 29.9 | 30.1 | 30.9 | 31.8 | 32.8 | 33.8 | 34.7 | 35.6 | 36.4 | 37.2 | 38.0 | 38.7 | 39.3 | 40.0 |
| 52 | 54.0 | 29.2 | 28.7 | 29.4 | 30.4 | 31.5 | 32.6 | 33.6 | 34.6 | 35.5 | 36.3 | 37.1 | 37.9 | 38.6 | 39.3 | 39.9 |
| 53 | 30.0 | 27.4 | 27.9 | 28.9 | 30.1 | 31.2 | 32.4 | 33.4 | 34.4 | 35.4 | 36.2 | 37.1 | 37.8 | 38.6 | 39.2 | 39.9 |
| 54 | 26.4 | 26.2 | 27.3 | 28.5 | 29.8 | 31.0 | 32.2 | 33.3 | 34.3 | 35.3 | 36.2 | 37.0 | 37.8 | 38.5 | 39.2 | 39.8 |

MAXIMUM FILLING COVER FACTORS (K2) IN TERMS OF WARP COVER FACTOR AND BETA

YARN BULK DENSITY =4.60

OXFORD FABRICS

| WARP COVER FACTOR (K1) | BETA 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 34 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 148.1 | 62.2 |
| 35 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 107.4 | 60.1 | 54.0 |
| 36 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 106.4 | 58.6 | 52.8 | 50.4 |
| 37 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 169.9 | 57.6 | 51.7 | 49.4 | 48.2 |
| 38 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.2 | 50.9 | 48.5 | 47.4 | 46.8 |
| 39 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 57.6 | 50.1 | 47.6 | 46.5 | 46.0 | 45.8 |
| 40 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 59.3 | 49.7 | 46.8 | 45.7 | 45.2 | 45.0 | 45.1 |
| 41 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 64.5 | 49.5 | 46.1 | 44.9 | 44.4 | 44.2 | 44.3 | 44.5 |
| 42 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 100.9 | 49.8 | 45.5 | 44.1 | 43.5 | 43.4 | 43.5 | 43.7 | 44.0 |
| 43 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 51.1 | 45.1 | 43.3 | 42.7 | 42.6 | 42.7 | 43.0 | 43.3 | 43.7 |
| 44 | 0. | 0. | 0. | 0. | 0. | 0. | 55.6 | 44.9 | 42.6 | 41.8 | 41.7 | 41.9 | 42.2 | 42.5 | 43.0 | 43.4 |
| 45 | 0. | 0. | 0. | 0. | 0. | 99.1 | 45.4 | 42.0 | 41.0 | 40.8 | 41.0 | 41.3 | 41.7 | 42.2 | 42.7 | 43.2 |
| 46 | 0. | 0. | 0. | 0. | 0. | 47.4 | 41.5 | 40.2 | 39.9 | 40.0 | 40.4 | 40.9 | 41.4 | 41.9 | 42.4 | 43.0 |
| 47 | 0. | 0. | 0. | 0. | 56.6 | 41.6 | 39.4 | 38.9 | 39.1 | 39.5 | 40.0 | 40.5 | 41.1 | 41.7 | 42.2 | 42.8 |
| 48 | 0. | 0. | 0. | 0. | 42.7 | 38.8 | 38.0 | 38.1 | 38.5 | 39.0 | 39.6 | 40.2 | 40.9 | 41.5 | 42.1 | 42.7 |
| 49 | 0. | 0. | 0. | 48.5 | 38.5 | 37.1 | 37.0 | 37.4 | 38.0 | 38.6 | 39.3 | 40.0 | 40.7 | 41.3 | 41.9 | 42.5 |
| 50 | 0. | 0. | 0. | 39.2 | 36.2 | 35.9 | 36.3 | 36.9 | 37.6 | 38.3 | 39.1 | 39.8 | 40.5 | 41.2 | 41.8 | 42.4 |
| 51 | 0. | 0. | 44.3 | 35.7 | 34.8 | 35.1 | 35.7 | 36.5 | 37.3 | 38.1 | 38.9 | 39.6 | 40.4 | 41.1 | 41.7 | 42.4 |
| 52 | 0. | 0. | 36.2 | 33.8 | 33.8 | 34.4 | 35.2 | 36.1 | 37.0 | 37.9 | 38.7 | 39.5 | 40.3 | 41.0 | 41.6 | 42.3 |
| 53 | 0. | 42.3 | 33.1 | 32.5 | 33.1 | 33.9 | 34.9 | 35.8 | 36.8 | 37.7 | 38.6 | 39.4 | 40.2 | 40.9 | 41.6 | 42.2 |
| 54 | 0. | 33.6 | 31.3 | 31.7 | 32.5 | 33.5 | 34.6 | 35.6 | 36.6 | 37.5 | 38.4 | 39.3 | 40.1 | 40.8 | 41.5 | 42.2 |
| 55 | 40.3 | 30.5 | 30.2 | 31.0 | 32.1 | 33.2 | 34.3 | 35.4 | 36.5 | 37.4 | 38.3 | 39.2 | 40.0 | 40.7 | 41.5 | 42.1 |
| 56 | 31.4 | 28.8 | 29.4 | 30.5 | 31.7 | 33.0 | 34.1 | 35.3 | 36.3 | 37.3 | 38.2 | 39.1 | 39.9 | 40.7 | 41.4 | 42.1 |
| 57 | 27.8 | 27.7 | 28.8 | 30.1 | 31.4 | 32.7 | 34.0 | 35.1 | 36.2 | 37.2 | 38.2 | 39.0 | 39.9 | 40.6 | 41.4 | 42.0 |
| 58 | 26.1 | 26.9 | 28.3 | 29.8 | 31.2 | 32.6 | 33.8 | 35.0 | 36.1 | 37.1 | 38.1 | 39.0 | 39.8 | 40.6 | 41.3 | 42.0 |

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13 ABSTRACT

This report contains in tabular form the solutions of the maximum weavability equations for the plain, oxford, 3- and 4-harness twills, and 5-harness sateen in terms of warp and filling cover factors and yarn number ratio (Beta) for fabrics made from any fiber species and from blends. The tables are set up for yarn bulk densities ranging from 0.54 to 4.6; this includes fibers as light as polyethylene and as heavy as stainless steel. Supplementary tables are provided giving yarn bulk densities (assuming a standard packing coefficient of 0.59) for all of the commercial fibers and for blends of the most important commercial fibers in increments of 5% ranging from 5% to 95% blend composition.

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| 14. KEY WORDS | LINK A ROLE | LINK A WT | LINK B ROLE | LINK B WT | LINK C ROLE | LINK C WT |
|---|---|---|---|---|---|---|
| Weaving | 8 | | | | | |
| Equations | 8 | | | | | |
| Fibers (Natural) | 1 | | | | | |
| Fibers (Synthetic) | 1 | | | | | |
| Twills | 2 | | | | | |
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14. KEY WORDS: Key words are technically meaningful terms or short phrases that characterize a report and may be used as index entries for cataloging the report. Key words must be selected so that no security classification is required. Identifiers, such as equipment model designation, trade name, military project code name, geographic location, may be used as key words but will be followed by an indication of technical context. The assignment of links, rules, and weights is optional.

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