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SPECIFICATIONS AND OTHER STANDARDIZATION DOCUMENTS
INVOLVING CELLULAR PLASTICS (PLASTIC FOAMS),
CUSHIONING AND RELATED MATERIALS



JULY 1976



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Specifications (AMS's) and SAE Recommended Practices, Underwriters

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SPECIFICATIONS AND OTHER STANDARDIZATION DOCUMENTS INVOLVING CELLULAR PLASTICS (PLASTIC FOAMS), CUSHIONING AND RELATED MATERIALS

by

ARTHUR H. LANDROCK

JULY 1976

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DISCLAIMER

In this compilation PLASTEC has attempted to list all standardization documents known to be relevant to cellular plastics and related materials. It is recognized, however, that there must necessarily be some omissions, and for this the author apologizes.

ABSTRACT

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This is a compilation of all known U.S. specifications and other standardization documents involving cellular plastics (plastic foams), cushioning materials, and related materials, including cellular rub-A total of 286 documents covered include ASTM Specifications and Standards, Military Specifications, Standards and Handbooks, Federal Specifications, Federal Test Method Standards, Society of Automotive Engineers (SAE) Aerospace Materials Specifications (AMS's) and SAE Recommended Practices, Underwriters Laboratories (UL) Standards, National Fire Protection Association (NFPA) Standards, and National Bureau of Standards Voluntary Product Standards and Simplified Practice Recommendations. A subject index is provided.

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SCOPE AND NOTES

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This Note is intended as a compilation of all known United States specification: and other standardization documents involving cellular plastics (plastic foams), cushioning materials, and related materials, including cellular rubbers. Documents covered include ASTM Specifications and Standards, Military Specifications, Military Standards, Military Handbooks, Federal Specifications, Federal Test Method Standards, Society of Automotive Engineers Aerospace Materials Specifications and SAE Recommended Practices, Underwriters Laboratories Standards, National Fire Protection Association Standards and National Bureau of Standards Voluntary Product Standards and Simplified Practice Recommendations.

A total of 286 documents are listed. In the case of the ASTM specifications and standards, documents selected for listing include l. standards known to be specific to cellular plastics and related materials and 2. standards not specific to cellular plastics, but which have been listed because they may be used for cellular plastics and similar materials. The other sources list only documents specific to cellular plastics or rubbers and closely related materials. A subject index is included to assist the reader in finding relevant specifications, standards, and other documents.

In the case of ASTM documents the Parks (volumes) in which the standards are published are listed with the entries. Military documents include Federal Supply Classification (FSC) listings or DoD Area Assignments, designations of the preparing activity, issue date of the latest revision, indication of coordination status, and of the existence of a Qualified Products List (QPL). Federal documents have similar listings, but none of those listed have QPL's nor limited coordination, and so there are no coded listings tabulated. In the case of Federal Test Method Standards, with one exception, the individual test methods are listed separately, with titles and dates of issue.

The reader who is unfamiliar with specifications and standards will find it helpful to refer to Chapter 11, "Commercial and Government Specifications and Standards," by Arthur H. Landrock and Norman E. Beach, PLASTEC, in the <u>Handbook of Plastics and Elastomers</u>, edited by Charles A. Harper, and published by McGraw-Hill Book Company in 1975.

The author welcomes comments on the usefulness of this Note. Suggestions as to documents that are applicable and should be added to any possible future revision would be very much appreciated.

TABLE OF CONTENTS

The state of the s

												Page
DISCLAIMER					•			•	•	•		ii
ABSTRACT					•							iii
SCOPE AND NOTES					•		•	•	•	•	•	iv
COMMERCIAL AND INDUST	RY SPI	CIFIC	ATIO	NS A	ND	STA	ND	ARL	วร			
ASTM Specification	ons ar	nd Sta	ndar	ds .	•		•	•	•	•	•	1
Society of Autom	otive	Engin	eers	(SA	E)			•			•	13
Aerospace Mate	erials	s Spec	ific	atio	ns	(AH	S)	•	•	•		13
SAE Recommende												13
Underwriters Lab	orato	ries (UL)	Stan	daı	ds		•			٠	14
National Fire Pro												
Standards .		• • •		• •	•	•	•	•	•	•	•	14
U.S. GOVERNMENT SPECI	FICAT:	IONS A	ND S	TAND	ARI	s						
Military Specific												15
Military Standar												19
Military Handboo												19
Federal Specific												20
Federal Test Met												22
U.S. Dept. of Co												23
o.s. pept. or co	weme t C	e nds	Stan	aaro		• •	•	•	•	•	•	23
APPENDIX												
FSC Groups and C	lasse:	s and	DoD	Area	A	ssi g	nm	en	ts	•	•	24
Preparing Activi	ties						•		•	•	•	25
Coordination and	QPL							•			•	26
Subject: Index .												27

COMMERCIAL AND INDUSTRY SPECIFICATIONS AND STANDARDS

Ref. No.	ASTM Specifications and Standards (140 specs & stds)
1	ASTM C 165-54 (1970) Part 18 ¹ Standard Method of Test for COMPRESSIVE STRENGTH OF PREFORMED BLOCK-TYPE THERMAL INSULATION
2	ASTM C 168~67 Part 18 Standard Definitions of Terms Relating to THERMAL INSULATING MATERIALS
3	ASTM C 177-71 Parts 18, 35 Standard Method of Test for THERMAL CONDUCTIVITY OF MATERIALS BY MEANS OF THE GUARDED HOT PLATE
4	ASTM C 203-58 (1972) Part 18 Standard Method of Test for BREAKING LOAD AND CALCULATED FLEXURAL STRENGTH OF PREFORMED BLOCK-TYPE THERMAL INSULATION
5	ASTM C 271-61 (1970) Part 25 Standard Method of Test for DENSITY OF CORE MATERIALS FOR STRUCTURAL SANDWICH CONSTRUCTIONS
6	ASTM C 272-53 (1970) Part 25 Standard Method of Test for WATER ABSORPTION OF CORE MATERIALS FOR STRUCTURAL SANDWICH CONSTRUCTIONS
7	ASTM C 273-61 (1970) Part 25 Standard Method of SHEAR TEST IN FLATWISE PLANE OF FLAT SANDWICH CONSTRUCTIONS OR SANDWICH CORES
8	ASTM C 274-68 (1975) Part 25 Standard Definitions of Terms Relating to STRUCTURAL SANDWICH CONSTRUCTIONS
9	ASTM C 297-61 (1970) Part 25 Standard Method of TENSION TEST OF PLAT SANDWICH CONSTRUCTIONS IN FLATWISE PLANE
10	ASTM C 303-56 (1972) Part 18 Standard Method of Test for DENSITY OF PREFORMED BLOCK-TYPE THERMAL INSULATION
11	ASTM C 335-75 Part 16 Standard Method of Test for THERMAL CONDUCTIVITY OF PIPE INSULATION

¹Part numbers listed refer to the current Annual Book of ASTM Standards. "Parts" are volumes. In 1975 there were 48 Parts.

Ref. No.	ASTM Specifications and Standards
12	ASTM C 351-61 (1973) Part 18 Standard Method of Test for MEAN SPECIFIC HEAT OF THERMAL INSULATION
13	ASTM C 355-64 (1973) Part 18 Standard Method of Test for WATER VAPOR TRANSMISSION OF THICK MATERIALS
14	ASTM C 356-60 (1975) Part 18 Standard Method of Test for LINEAR SHRINKAGE OF PREFORMED HIGH-TEMPERATURE THERMAL INSULATION SUBJECTED TO SOAKING HEAT
15	ASTM C 364-61 (1970) Part 25 Standard Method of Test for EDGEWISE COMPRESSION OF FLAT SANDWICH CONSTRUCTIONS
16	ASTM C 365-57 (1970) Part 25 Standard Methods of Test for FLATWISE COMPRESSIVE STRENGTH OF SANDWICH CORES
17	ASTM C 366-57 (1970) Part 25 Standard Methods for MEASUREMENT OF THICKNESS OF SANDWICH CORES
18	ASTM C 367-57 (1972) Part 18 Standard Methods of Test for STRENGTH PROPERTIES OF PREFABRICATED ARCHITECTURAL ACOUSTICAL MATERIALS
19	ASTM C 384-58 (1972) Part 18 Standard Method of Test for IMPEDANCE AND ABSORPTION OF ACOUSTICAL MATERIALS BY THE TUBE METHOD
20	ASTM C 393-62 (1970) Part 25 Standard Method of FLEXURE TEST OF FLAT SANDWICH CONSTRUCTIONS
21	ASTM C 394-62 (1970) Part 25 Standard Method of Test for SHEAR FATIGUE OF SANDWICH CORE MATERIALS
22	ASTM C 411-61 (1967) Part 18 Standard Method of Test for HOT-SURFACE PERFORMANCE OF HIGH-TEMPERATURE THERMAL INSULATION
23	ASTM C 421-71 Part 18 Standard Method of Test for MECHANICAL STABILITY OF PREFORMED THERMAL INSULATION BY TUMBLING

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Ref. No.	ASTM Specifications and Standards	
24	ASTM C 423-66 (1972) Part 18 Standard Method of Test on SOUND ABSORPTION OF ACOUSTICAL MATERIALS IN REVERBERATION ROOMS	
25	ASTM C 446-64 (1972) Part 18 Standard Method of Test for BREAKING LOAD AND CALCULATED MODULUS OF RUPTURE OF PREFORMED INSULATION OF PIPES	N
26	ASTM C 447-71 Part 18 Standard Method for ESTIMATING MAXIMUM USE TEMPERATURE OF PREFORMED THERMAL INSULATION	
27	ASTM C 480-62 (1970) Part 25 Standard Method of Test for FLEXURE-CREEP OF SANDWICH CONSTRUCTION	
28	ASTM C 481-62 (1970) Part 25 Standard Method of Test for LABORATORY AGING OF SANDWICH CONSTRUCTIONS	
29	ASTM C 509-70 Parts 18, 38 Standard Specification for CELLULAR ELASTOMERIC PREFORMED GASKET AND SEALING MATERIALS	
30	ASTM C 518-70 Parts 18, 44 Standard Method of Test for THERMAL CONDUCTIVITY OF MATERIALS BY MEANS OF THE HEAT FLOW METER	
31	ASTM C 522-73 Part 18 Standard Method of Test for AIRFLOW RESISTANCE OF ACOUSTICAL MATERIALS	
32	ASTM C 534-70 Part 18 Standard Specification for PREFORMED FLEXIBLE ELASTOMERIC CELLULAR THERMAL INSULATION IN SHEET AND TUBULAR FORM	
33	ASTM C 548-71 Part 18 Standard Method of Test for DIMENSIONAL STABILITY OF LOW-TEMPERATURE THERMAL BLOCK AND PIPE INSULATION	N
34	ASTM C 569-68 (1975) Part 18 Standard Method of Test for INDENTATION HARDNESS OF PREFORMED THERMAL INSULATION	
35	ASTM C 578-69 Part 18 Standard Specification for PREFORMED, BLOCK-TYPE CELLULAR POLYSTYRENE THERMAL INSULATION	

Ref. No.	ASTM Specifications and Standards
36	ASTM C 589-68 Part 18 Standard Method of Test for APPARENT IMPACT STRENGTH OF PREFORMED BLOCK-TYPE INSULATING MATERIALS
37	ASTM C 591-69 Part 18 Standard Specification for RIGID PREFORMED CELLULAR URETHANE THERMAL INSULATION
38	ASTM D 149-75 Parts 35, 38, 39 Standard Methods of Test for DIELECTRIC BREAKDOWN VOLTAGE AND DIELECTRIC STRENGTH OF ELECTRICAL INSULATING MATERIALS AT COMMERCIAL POWER FREQUENCIES
39	ASTM D 150-74 Parts 35, 38, 39, 40 Standard Methods of Test for A-C LOSS CHARACTERISTICS AND DIELECTRIC CONSTANT (PERMITTIVITY) OF SOLID ELECTRICAL INSULATING MATERIALS
40	ASTM D 256-73 Part 35 Standard Methods of Test for IMPACT RESISTANCE OF PLASTICS AND ELECTRICAL INSULATING MATERIALS
41	ASTM D 257-75a Parts 35, 38, 39 Standard Methods of Test for D-C RESISTANCE OR CONDUCTANCE OF INSULATING MATERIALS
42	ASTM D 395-69 Part 37 Standard Methods of Test for COMPRESSION SET OF VULCANIZED RUBBER
43	ASTM D 412-68 Parts 35, 37 Standard Method of TENSION TESTING OF VULCANIZED RUBBER
44	ASTM D 454-53 (1970) Part 37 Standard Method of AIR-PRESSURE HEAT TEST OF VULCANIZED RUBBER
45	ASTM D 471-75 Part 37 Standard Method of Test for CHANGE IN PROPERTIES OF ELASTOMERIC VULCANIZATES RESULTING FROM IMMERSION IN LIQUIDS
46	ASTM D 531-56 (1970) Part 37 Standard Method of Test for INDENTATION OF RUBBER BY MEANS OF THE PUSEY & JONES PLASTOMETER
47	ASTM D 543-67 (1972) Part 35 Standard Method of Test for RESISTANCE OF PLASTICS TO CHEMICAL REAGENTS

Ref. No.	ASTM Specifications and Sta	ndards
48	AS'M D 573-67 (1972) Standard Method of Test f VUICANIZED RUBBER BY THE	or ACCEDERATED AGING OF
49	ASTM D 575-69 Standard Methods of Test CHARACTERISTICS OF VULCAN	Part 37 for COMPRESSION-DEFLECTION RIZED RUBBER
50	ASTM D 618-61 (1971) Standard Methods of CONDI ELECTRICAL INSULATING MAT	TIONING PLASTICS AND
51	ASTM D 624-73 Standard Method of Test f VULCANIZED RUBBER	Part 37 For TEAR RESISTANCE OF
52	ASTM D 635-74 Standard Method of Test if SUPPORTING PLASTICS	Part 35 For FLAMMABILITY OF SELF-
53	ASTM D 638-72 Standard Method of Test in PLASTICS	Part 35 For TENSILE PROPERTIES OF
54	ASTM D 648-72 Standard Method of Test i OF PLASTICS UNDER FLEXURA	Part 35 For DEFLECTION TEMPERATURE AL LOAD
55	ASTM D 695-69 Standard Method of Test 1 OF RIGID PLASTICS	Part 35 For COMPRESSIVE PROPERTIES
56	ASTM D 696-70 Standard Method of Test in THERMAL EXPANSION OF CELI	Parts 35, 44 For COEFFICIENT OF LINEAR JULAR PLASTICS
57	ASTM D 732-46 (1975) Standard Method of Test	Part 35 For SHEAR STRENGTH OF PLASTICS
58	ASTM D 746-73 Standard Method of Test in PLASTICS AND ELASTOMERS I	Parts 35, 38 For BRITTLENESS TEMPERATURE OF BY IMPACT
59	ASTM D 747-70 Standard Method of Test : MEANS OF A CANTILEVER BE	Part 35 for STIFFNESS OF PLASTICS BY NM

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Ref. No.	ASTM Specifications and Standards
60	ASTM D 750~68 (1974) Part 37 Standard Recommended Practice for OPERATING LIGHT- AND WEATHER-EXPOSURE APPARATUS (CARBON-ARC TYPE) FOR ARTIFICIAL WEATHER TESTING OF RUBBER COMPOUNDS
61	ASTM D 756-56 (1971) Part 35 Standard Methods of Test for RESISTANCE OF PLASTICS TO ACCELERATED SERVICE CONDITIONS
62	ASTM D 757-74 Part 35 Standard Method of Test for INCANDESCENCE RESISTANCE OF RIGID PLASTICS
63	ASTM D 759-66 (1970) Part 35 Standard Recommended Practice for DETERMINING THE PHYSICAL PROPERTIES OF PLASTICS AT SUBNORMAL AND SUPERNORMAL TEMPERATURES
64	ASTM D 785-65 (1970) Part 35 Standard Method of Test for ROCKWELL HARDNESS OF PLASTICS AND ELECTRICAL INSILATING MATERIALS
65	ASTM D 790-71 Part 35 Standard Methods of Test for FLEXURAL PROPERTIES OF PLASTICS
6¤	ASTM D 864-52 (1971) Part 35 Standard Method of Test for COEFFICIENT OF CUBICAL THERMAL EXPANSION OF PLASTICS
67	ASTM D 865-62 (1971) Part 37 Standard Method for HEAT AGING OF VULCANIZED RUBBER BY TEST TUBE METHOD
68	ASTM D 883-75a Part 25 Standard Definitions of Terms Relating to PLASTICS
69	ASTM D 945-72 Part 37 Standard Methods of Test for MECHANICAL PROPERTIES OF ELASTOMERIC VULCANIZATES UNDER COMPRESSION OR SHLAR STRAINS BY THE MECHANICAL OSCILLOGRAPH
70	AS:M D 1942-51 (1971) Part 35 Standard Method of Test for MEASURING CHANGES IN LINEAR DIMENSIONS OF PLASTICS
71	ASTM D 1044-73 Part 35 Standard Method of Test for RESISTANCE OF TRANSPARENT PLASTICS TO SURFACE ABRASION

Ref. No.	ASTM Specifications and Standards
72	ASTM D 1054-66 (1972) Part 37 Standard Method of Test for IMPACT RESILIENCE AND PENETRATION OF RUBBER BY THE REBOUND PENDULUM
73	ASTM D 1055-69 (1975) Part 38 Standard Specification for LATEX FOAM RUBBERS
74	ASTM D 1056-73 Part 38 Standard Specification for SPONGE AND EXPANDED CEILULAR RUBBER PRODUCTS
75	ASTM D 1171-68 (1974) Part 37 Standard Method of Test for WEATHER RESISTANCE EXPOSURE OF AUTOMOTIVE RUBBER COMPOUNDS
76	ASTM D 1229-62 (1975) Part 37 Standard Method of Test for LOW-TEMPERATURE COMPRESSION SET OF VULCANIZED ELASTOMERS
77,	ASTM D 1372-64 (1971) Part 20 Standard Methods of Testing PACKAGE CUSHIONING MATERIALS
78	ASTM D 1242-56 (1975) Part 35 Standard Methods of Test for RESISTANCE TO ABRASION OF PLASTIC MATERIALS
?9	ASTM D 1390-62 (1968) Part 37 Standard Method of Test for STRESS RELAXATION OF VULCANIZED RUBBER IN COMPRESSION
80	ASTM D 1415-68 (1974) Part 37 Standard Method of Test for INTERNATIONAL HARDNESS OF VULCANIZED RUBBER
81	ASTM D 1435-69 Part 35 Standard Recommended Practice for OUTDOOR WEATHERING OF PLASTICS
82	ASTM D 1499-64 (1971) Part 35 Standard Recommended Practice for OPERATING LIGHT- AND WATER-EXPOSURE APPARATUS (CARBON-ARC TYPE) FOR EXPOSURE OF PLASTICS
83	ASTM D 1501-71 Part 35 Standard Recommended Practice for EXPOSURE OF PLASTICS TO FLUORESCENT SUNLAMP

Ref. No.	ASTM Specifications and Standards
83	ASTM D 1564-71 Part 38 Standard Methods of Testing SLAB FLEXIBLE URETHANE FOAM
85	ASTM D 1565-70 Part 38 Standard Specification for FLEXIFLE FOAMS MADE FROM POLYMERS OR COPOLYMERS OF VINYL CHLORIDE (same as SAE Standard J 15, Ref. No. 155)
86	ASTM D 1566-75a Parts 37, 38 Standard Definitions of Terms Relating to RUBBER AND RUBBER-LIKE MATERIALS
87	ASTM D 1596-64 (1971) Part 20 Standard Method of Test for SHOCK ABSORBING CHARACTERISTICS OF PACKAGE CUSHIONING MATERIALS
88	ASTM D 1621-73 Part 36 Standard Method of Test for COMPRESSIVE PROPERTIES OF RIGID CELLULAR PLASTICS
89	ASTM D 1622-63 (1975) Part 36 Standard Method of Test for APPARENT DENSITY OF RIGID CELLULAR PLASTICS
90	ASTM D 1623-72 Part 36 Standard Method of Test for TENSILE PROPERTIES OF RIGID CELLULAR PLASTICS
91	ASTM D 1638-74 Parts 29, 36, 38 Standard Methods of Testing URETHANE FOAM ISOCYANATE RAW MATERIALS
92 ·	ASTM D 1667-70 Part 38 Standard Specification for SPONGE MADE FROM CLOSED-CELL POLY(VINYL CHLORIDE), OR COPOLYMERS THEREOF
93	ASTM D 1672-66 (1971) Parts 35, 37 Standard Recommended Practice for EXPOSURE OF POLYMERIC MATERIALS TO HIGH ENERGY RADIATION
94	ASTM D 1673-73 Parts 36, 39 Standard Methods of Test for DIELECTRIC CONSTANT AND DISSIPATION FACTOR OF EXPANDED CELLULAR PLASTICS USED FOR ELECTRICAL INSULATION

Ref. No.	ASTM Specifications and Standards
95	ASTM D 1692-74 Part 35 Standard Methor of Test for RATE OF BURNING OR EXTENT OF BURNING OF CELLULAR PLASTICS USING A SUPPORTED SPECIMEN BY A HCRIZONTAL SCREEN (Note: Title being changed by ASTM ballot to: RATE OF BURNING AND/OR EXTENT OF AND TIME OF BURNING OF CELLULAR PLASTICS USING A SPECIMEN SUPPORTED BY A HORIZONTAL SCREEN. This change is only a proposal and may be accepted, rejected or further modified.)
96	ASTM D 1786-73 Part 36 Standard Specification for TOLUENEDIISOCYANATE
97	ASTM D 1822-68 (1973) Part 35 Standard Method of Test for TENSILE-IMPACT EMERGY TO BREAK PLASTICS AND ELECTRICAL INSULATING MATERIALS
98	ASTM D 1870-68 (1972) Parts 35, 37 Standard Method of Test for ELEVATED TEMPERATURE AGING USING A CIRCULAR OVEN
99	ASTM D 1929-68 (1975) Part 35 Standard Method of Test for IGNITION PROPERTIES OF PLASTICS
100	ASTM D 2126-75 Part 36 Standard Method of Test for RESPONSE OF RIGID CELLULAR PLASTICS TO THERMAL AND HUMID AGING
101	ASTM D 2128-73 Part 38 Standard Specification for RUBBERIZED CURLED HAIR
102	ASTM D 2221-68 (1973) Part 20 Standard Method of Test for CREEP PROPERTIES OF PACKAGE CUSHIONING MATERIALS
103	ASTM D 2237-70 (1975) Part 36 Standard Method of Test for RATE-OF-RISE (VOLUME INCREASE) PROPERTIES OF UNETHANE FOAMING SYSTEMS
04	ASTM D 2240-75 Parts 35, 37 Standard Methods of Test for INDENTATION HARDNESS OF RUBBER AND PLASTICS BY MEANS OF A DUROMETER
105	ASTM D 2326-70 Part 36 Standard Method of Test for THERMAL CONDUCTIVITY OF CELLULAR PLASTICS BY MEANS OF A PROBE (Note: This method is in the process of being withdrawn as an ASTM standard.)

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Ref. No.	ASTM Specifications and Standards	
106	ASTM D 2341-72 Part Standard Specification for RIGID URB	
107	PSTM D 2406-73 Fart Standard Methods of Testing MOLDED F FOAM	: 38 PLEXIBLE URETHANE
108	ASTM D 2565-70 Part Standard Recommended Practice for OI ARC-TYPF (WATER-COOLED) LIGHT- AND WATER-COOLED) LIGHT- AND WATER-COOLED	
109	ASTM D 2648-70 Part Standard Recommended Practice for MI FAILURE BY RUPTURE OF PLASTICS ENDER ENTERONMENTS	
110	ASTM D 2707-72 Pare Stailard Method of Test for TENSION RUBBER	
111	ASTM D 2735-72 Par Standard Method of Test for EFFECT (OF SYNTACTIC FOAM AT PRESSURE	t 38 OF CYCLIC IMMERSION
112	ASTM D 2736-72a Par Standard Method of Test for HYDROST STRENGTH OF SYNTACTIC FOAM	t 36 ATIC COMPRESSIVE
113	ASTM D 2840-69 Par Standard Method of Test for AVERAGE DENSITY OF HOLLOW MICROSPHERES	t 36 TRUE PARTICLE
114	ASTM D 2841-69 Par Standard Method of Test for SAMPLIN	t 36 G HOLLOW MICROSPHERES
115	ASTM D 2842-69 Par Standard Method of Test for WATER A CELLULAR PLASTICS	t 36 BSORPTION OF RIGID
116	ASTM D 2843-70 Par Standard Method for MEASURING THE D THE BURNING OR DECOMPOSITION OF PLA	
117	ASTM D 2849-69 (1975) Par Standard Methods of Testing URETHAN MATERIALS	te 36 Be form polyol ran

Ref. No.	ASTM Specifications and Standards
118	ASTM D 2856-70 Part 36 Standard Method for MEASURING THE OPEN CELL CONTENT OF RIGID CELLULAR PLASTICS BY THE AIR PYCNOMETER
119	ASTM D 2863-74 Part 35 Standard Method of Test for FLAMMABILITY OF PLASTICS BY THE OXYGEN INDEX METHOD
120	ASTM D 2926-10 Part 36 Standard Method of Test for BULK MODULUS OF ELASTICITY OF SYNTACTIC FORM (PISTON-CYLINDER METHOD)
101	ASTM D 2953-71 Part 35 Standard Classification System for POLYMERIC MATERIALS FOR SERVICE IN IONIZING RADIATION
1.22	ASTM D 3014-74 Part 35 Standard Method of Test for FLAMMABILITY OF RIGID CELLULAR PLASTICS
123	ASTM D 3045-74 Part 35 Standard Recommended Practice for HEAT AGING OF PLASTICS WITHOUT LOAD
124	ASTM D 3100-72 Part 36 Standard Method of Test for ALKALINITY OF HOLLOW GLASS MICROSPHERES
125	ASTM D 3101-72 Part 36 Standard Method of Test for BULK DENSITY AND PACKING FACTOR OF HOLLOW GLASS MICROSPHERES
126	ASTM D 3102-72 Part 36 Standard Method of Test for HYDROSTATIC COLLAPSE STRENGTH OF HOLLOW GLASS MICROSPHERES
127	ASTM D 3204-73 Part 15 Standard Specification for PREFORMED CELLULAR PLASTIC PRESSURE-RELIEF JOINT FILLERS
128	ASTM E 6-66 (1973) Parts 10, 35 Standard Definitions of Terms Relating to METHODS OF MECHANICAL TESTING
129	ASTM E 29-67 (1973) Standard Recommended Practice for INDICATING WHICH PLACES OF FIGURES ARE TO BE CONSIDERED SIGNIFICANT IN SPECIFYING LIMITING VALUES

Ref. No.	ASTM Specifications and Standards
130	ASTM E 84-75 Part 18 Standard Method of Test for SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS
131	ASTM E 96-66 (1972) Parts 18, 35 Standard Methods of Test for WATER VAPOR TRANSMISSION OF MATERIALS IN SHEET FORM
132	AS:M E 111-61 (1972) Part 10 Standard Method of Test for YOUNG'S MODULUS AT ROOM TEMPERATURE
133	ASTM E 119-75 Part 18 Standard Methods of FIRE TESTS OF BUILDING CONSTRUCTION AND MATERIALS (INCLUDING TENTATIVE REVISION)
134	ASTM E 143-61 (1972) Part 10 Standard Method of Test for SHEAR MODULUS AT ROOM TEMPERATURE
135	ASTM E 162-75 Part 18 Standard Method of Test for SURFACE FLAMMABILITY OF MATERIALS USING A RADIANT HEAT ENERGY SOURCE
136	ASTM E 171-63 (1972) Part 35 Standard Specification for STANDARD ATMOSPHERES FOR CONDITIONING AND TESTING MATERIALS
137	ASTM E 177-71 Part 35 Standard Recommended Practice for USE OF THE TERMS PRECISION AND ACCURACY AS APPLIED TO MEASUREMENT OF A PROPERTY OF A MATERIAL
138	ASTM G 21-70 Parts 35, 41 Standard Recommended Practice for DETERMINING RESISTANCE OF SYNTHETIC POLYMERIC MATERIALS TO FUNGI
139	ASTM G 22-67T Parts 35, 41 Standard Recommended Practice for DETERMINING RESISTANCE OF PLASTICS TO BACTERIA
140	ASTM G 23-69 Parts 35, 41 Standard Recommended Practice for OPERATIR'S LIGHT- AND WATER-EXPOSURE APPARATUS (CARBON-ARC TYPE) FOR EXPOSURE OF NONMETALLIC MATERIALS

Society of Automotive Engineers (SAE)

Ref. No.	Aerospace	Materials Specifications (AMS) (14 specs)
141	AMS 3193	SILICONE RUBBER SPONGE, CLOSED CELL - MEDIUM, EXTREME LOW TEMPERATURE, May 1, 1968
142	AMS 3194	SILICONE RUBLER SPONGE, CLOSED CELL, FIRM, EXTREME IOW TEMPERATURE, May 1, 1968
143	AMS 3195B	SILICONE RUBBER SPONGE, CLOSED CELL, MEDIUM, May 1, 1968
144	AMS 3196B	SILICONE RUBBER SPONGE, CLOSED CELL, FIRM, May 1, 1968
145	AMS 3197H	SPONGE, CHLOROPRENE-RUBBER, SOFT, Dec. 1, 1973
146	AMS 3198H	SPONGE, CHLOROPRENE-RUBBER, MEDJUM, Dec. 1, 1973
147	AMS 3199H	SPONGE, CHLOROPRENE RUBBER, FIRM, Dec. 1, 1973
148	AMS 3570A	POLYURETHANE FOAM, FLEXIBLE - OPEN CELL, MEDIUM FLEXIBILITY, 2.5 LB PER CU FT, July 15, 1963
149	AMS 3635A	PLASTIC SHEET - CELLULAR, SHOCK ABSORBING, CLOSED CELL, FOAMED, MODIFIED VINYL SHEET, June 3, 1960
150	AMS 3709	SYNTACTIC FOAM TILES, March 1, 1974
151	AMS 3730	POTTING COMPOUND - FOAMED EPOXY TYPE, AMINE HARDENED, Aug. 15, 1955
152	AMS 3851A	FIRE RESISTANT PROPERTIES FOR AIRCRAFT MATERIALS, Nov. 1, 1954
153	AMS 3852A	FLAME RESISTANT PROPERTIES FOR AIRCRAFT MATERIALS, Nov. 1, 1954
154	AMS 3912	RADOMES - FOAM SANDWICH, March 1, 1974

(To obtain copies of these documents contact the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.)

SAE Recommended Practices (from 1976 SAE Handbook) (7 specs;

155 SAE J 15 FLEXIBLE FOAMS MADE FROM POLYMERS OR COPOLYMERS
OF VINYL CHLORIDE, p. 12.24 (same as ASTM D
1565-58T, Sep. 1960, Ref. No. 85)

Ref. No.	SAE Recomm	ended Practices
156	SAE J 17a	LATEX FOAM RUBBERS, p. 12.33 (conforms substantially to ASTM D 1055, Aug. 1971, Ref. No. 73)
157	SAE J 18b	SPONGE- AND EXPANDED CELLULAR-RUBBER PRODUCTS, p. 12.33 (substantially same as ASTM D 1056, Dec. 1972, Ref. No. 74)
158	SAE J 369a	PLAMMABILITY OF AUTOMOTIVE INTERIOR MATERIALS - HORIZONTAL TEST METHOD, p. 12.63, June 1972 (foams not discussed but probably covered)
159	SAE J 388	DYNAMIC FLEX FATIGUE TEST FOR SLAB POLYURETHANE FOAM, p. 34.28, March 1969
160	SAE J 815	LOAD DEFLECTION TESTING OF URETHANE FOAMS FOR AUTOMOTIVE SEATING, p. 34.31, March 1962
161	SAE J 954	URETHANE FOR AUTOMOTIVE SEATING, p. 34.30, June 1966

(To obtain copies of these documents or of the current SAE Handbook contact the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15096.)

Underwriters Laboratories (UL) Standards (1 std)

162 UL 94 TESTS FOR FLAMMABILITY OF PLASTIC MATERIALS FOR PARTS IN DEVICES AND APPLIANCES, 2nd Edition, May 2, 1975
(In this Standard there is a Horizontal Burning Test for Classifying Foamed Materials 94 hBF, 94 HF-1 and 94 HF-2.)

(To obtain copies of this Standard contact the Underwriters Laboratories, Inc., 2550 Dundee Road, Box 247, Northbrook, ILL 60062.)

National Fire Protection Association (NFPA) Standards (2 stds)

163	NFPA 205 M-T	TENTATIVE GUIDE FOR PLASTICS IN BUILDING
		CONSTRUCTION, May 1973

NFPA 231B STANDARD FOR STORAGE OF CELLULAR RUBBER AND PLASTICS, 1974

(To obtain copies of these documents contact the National Fire Protection Association, Publications Dept., 470 Atlantic Avenue, Boston, MA 02210.)

U.S. GOVERNMENT SPECIFICATIONS AND STANDARDS

Military Specifications (58 specs)

		FSC			6111
Ref.		Area 1	Activity 1	Issue Date	Coordination and QPL
165	MIL-C-3133B(3) CELLULAR ELASTOMERIC M				
166	MIL-R-5001A(4) RUBBER CELLULAR SHEET,				
167	MIL-R-6130B(3) RUBBER, CELLULAR, CHEM			28 May 71	
168	MIL-C-8087C CORE MATERIAL, FOAMED-				
169	MIL-P-12420C PLASTIC MATERIAL, CELL		GL	21 Dec 71	
170	MIL-I-13042A(AT) ¹ INSULATION SLEEVING, T				L
171	MIL-I-14511A(AT) INSULATION SHEET, CELL				L
172	MIL-P-15280G PLASTIC MATERIAL, UNIC				
173	MIL-F-16562(OS) INSULATION. SYNTHETIC, CELLULAR (SHEET FORM)				
174	MIL-C-17435B(1) CUSHIONING MATERIAL, F			29 Oct 56	•
175	MIL-C-18345A CORE MATERIAL, CELLULA			21 Nov 62	
176	MIL-M-18351E(SHIPS) MATTRESS, BERTH, SYNTH NAVAL SHIPBOARD	7210 ETIC SPONG	SH E RUBBER,	4 Jan 72	L
177	MIL-P-19644C PLASTIC MOLDING MATERI	9330 AL (POLYST	os Yrene fo am	10 July 70 , EXPANDED	

1 See Appendix for explanation of codes, symbols, etc.

Ref.			Preparing	Issue Date	Coordination
No.			ACCIVICY	Tabue Duce	and Or D
178	MIL-R-20092H RUBBER SHEETS AND MO OPEN CELL (FOAMED L		SH CELLULAR,	20 June 74 SYNTHETIC	
179	MIL-P-21929B(1) PLASTIC MATERIAL, C	9330 ELLULAR POLYUI		22 June 70 AM IN PLACE,	,

180 MIL-C-23734(1)(AS) 8135 AS 29 June 66 L CUSHIONING MATERIAL, CELLULOSIC, TREATED, FREE FLOW,

RIGID AND 4 POUNDS PER CUBIC FOOT

TUBULAR

- 181 MIL-C-23806A(1)(EC) 6145 EC 17 Sep 70 L
 CABLE, RADIO FREQUENCY, COAXIAL, SEMIRIGID, FOAM DIELECTRIC,
 GENERAL SPECIFICATION
- 182 MIL-C-23806/1B(EC) 6145 EC 17 Sep 70 L CABLE, RADIO FREQUENCY, COAXIAL, SEMIRIGID, FOAM DIELECTRIC, 1/2 INCH, 50 and 75 OHM (RE-332/U, RG-334/U and RG-335/U)
- 183 MIL-C-23806/2B(EC) 6145 EC 23 June 69 L
 CABLE, RADIO FREQUENCY, COAXIAL, SEMIRIGID, FOAM DIELECTRIC,
 7/8 INCH, 50 AND 75 OHM, (RG 332/U, RG 333/U, RG 336/U and
 RG 306A/U)
- 184 MIL-C-23806/3B(EC) 6145 EC 23 June 69 L CABLE, RADIO FREQUENCY, COAXIAL, SEMIRIGID, FOAM DIELECTRIC, 3/4 INCH, 50 OHM, JACKETED (RG-360/U)
- 185 MIL-S-24154A(1)(SHIPS) 9330 SH 28 Mar 67 QL SYNTACTIC BUOYANCY MATERIAL FOR HIGH HY.ROSTATIC PRESSURES
- 186 MIL-S-24167A(SHIPS) 9330 SH 6 Dec 72 L
 SYNTACTIC MATERIAL, RIGID, POUR-IN-PLACE, STRUCTURAL
 VOID FILLING
- 187 MIL-I-24172(1)(SHIPS) 5640 SH 12 May 67 L
 INSULATION, PLASTIC, CELLULAR POLYURETHANE, RIGID,
 PREFORMED AND FOAMED IN PLACE
- 188 MIL-A-24179A(1)(SHIPS) 8040 SH 11 July 69 QL ADHESIVE, FLEXIBLE UNICELLULAR PLASTIC THERMAL INSULATION
- 189 MIL-P-24249(1)(SHIPS) 9330 SH 6 NOV 67 NQL PLASTIC MATERIAL, CELLULAR POLYURETHANE, RIGID, VOID FILLER, POUR-IN-PLACE, LARGE SCALE AND INSTALLATION OF

		rac			
Ref.				Issue Date	Coordination and QPL
190	MIL-P-24333(2)(SHIPS) PLASTIC MATERIAL, UNICE	9330 LLULAR, SHI	SH EET, ELAST	17 June 70 NOMERIC	Ľ
191	MIL-S-25392B SANDWICH CONSTRUCTION, LAMINATED FACINGS AND P FOR AIRCRAFT STRUCTURAL	OLYURETHANI	SIN, GLASS E FOAMED		•
192	MIL-P-26514D(2) POLYUR THANE FOAM, RIGI			-	
193	MIL-C-26861B(1) CUSHIONING MATERIAL, RE			14 Mar 74 AL	
194	MIL-S-27332A (USAF) SEAT CUSHION INSERT, PO GENERAL SPECIFICATION F	LYURETHANE		12 Jan 66	L
195	MIL-C-38226A(1)(USAF) CONTAINER, POLYURETHANE SMALL ENGINES				
196	MIL-S-38639A(1)(USAF) SHIPPING AND STORAGE CO RIGID POLYURETHANE, POU BOMBS, CHEMICAL, BLU-52	NTAINER, BOR-IN-PLACE	OMB, CNU-	109/E,	L
197	MIL-P-40619A PLASTIC MATERIAL, CELLU APPLICATIONS)			9 Dec 68 OR BUOYANCY	
198	MIL-P-43110B(AT) PLASTIC FOAM INSULATION			20 June 73 HANE)	L
199	MIL-P-43226 (MI) POLYETHER CUSHIONING MA	8135 TERIAL, FO	MI AM-IN-PLA	22 Apr 64 CE, FLEXIBLE	L E
200	MIL-R-46089A(MI) RUBBER, SPONGE, SILICON			9 Mar 73	L
201	MIL-P-46111B (MR) PLASTIC FOAM, POLYURETH	9330 IANE (FOR U		29 Nov 73 CRAFT)	L
202	MIL-T-46151 TAPE, PRESSURE-SENSITIVE	9320 Æ ADHESIVE	MR , POLYURE	16 Oct 70 THANE FOAM	
203	MIL-T-46586B(MU) TUBE, IGNITER FOR CHARG (CELLULAR POLYURETHANE)		PA ING, 175M	29 Feb 68 M, M86A2	L

Ref.		Category/ Area	Preparing Activity	Issue	Date	Coordination and OPL
204	MIL-P-46847A(1)(MI) PLASTIC MATERIAL, FOAME ELECTRONIC COMPONENTS					
205	MIL-I-46882(MI) INSULATION SHEET AND ST					L
206	MIL-P-46897 (M1) POLYURETHANE FOAM	9330	MI	14 Dec	: 73	L
207	MIL-F-47095A(MI) FOAM, POLYURETHANE, FOR AND BOARDS					
208	MIL-P-47099(MI) POLYURETHANE FOAM, RIGI OF ELECTRONIC COMPONENT	D, FOR PA		_		
209	MIL-I-47149(MI) INSULATION MATERIAL (SO					L
210	MIL-F-47222 (MI) FOAM, POLYURETHANE, RIG		MI	12 Jul	Ly 74	L
211	MIL-F-47254 (MI) FOAM, POLYURETHANE, OPE		MI EDIUM FLEX		_	L
212	MIL-F-47285 (MI) FOAM, POLYURETHANE, RIG		MI	9 Aug	74	L
213	MEL-F-52236(CE) FILTER ELEMENT, AIR, DI			-	g 62	L
214	MIL-P-60312B(2)(MU) PARTS, MOLDED, PLASTIC AMMUNITION)				_	
215	MIL-T-60394A(1)(MU) TAPE, PRESSURE-SENSITIV (FOR USE WITH AMMUNITION	E FILM FO	PA DAM, DOUBLE	-	-	L
216	MIL-F-81254(WP) FOAM, URETHANE	1338	os	15 Apr	r 65	I,
217	MIL-M-81288(1)(AS) MOUNTING BASES, FLEXIBE		AS FOAM	15 Ju	Ly 68	L

Ref.		Category/ Pre	marina		Coordination
No.		Area Act	sparing Fivity	Teena Date	and OPI.
110.	•	nrea no	TATCA	Issue Date	and gru
218	MIL-F-81334A(AS) FOAM, PLASTIC, FLEXIBLE POLYURETHANE				L
219	MIL-B-83054A(1)(USAF) BAFFLE MATERIAL, AIRCR			27 June 75	L
220	MIL-P-83379(1)(USAF) PLASTIC MATERIAL, CELL RIGID (3 POUNDS PER CU	ULAR POLYURETI	HANE, F	-	
221	MIL-C-83400 (USAF) CORE MATERIAL FOR META CONSTRUCTION (POLYURET	L SANDWICH PAR			L
222	MIL-F-???? PROCEDURES FOR FOAM-IN				
	Military Standards (4	stds)			
223	MIL-STD-401B SANDWICH CONSTRUCTIONS				ST METHODS
224	MIL-STD-670B CLASSIFICATION SYSTEM				RIC MATERIALS
225	MIL-STD-768A INSTRUCTIONS FOR REPAI AND SANDWICH STRUCTURE		AND WE	APONS REINF	
226	MIL-STD-1186 CUSHIONING, ANCHORING, WITH APPROPRIATE TEST	BRACING, BLO	ME CKING A	28 Oct 63 ND WATERPRO	OFING;
	Military Handbooks (3	hdbks)			
227	MIL-HDBK-139(MU) PLASTIC, PROCESSING OF	9330	PA	30 Jan 67	L
228	MIL-HDBK-304A PACKAGE CUSHIONING DES	PACK IGN	PA	25 Sep 74	
229	MIL-HDBK-768 (SM) RIGID POLYURETHANE FOA	PACK M PACKAGING DI	SM ESIGN	15 Jan 73	L

Federal Specifications (33 specs)

Ref.	c -			Coordination Issue Date and QPL
230	L-C-001369 (GSA-FSS) CUSHION, CARPET AND RUG,			10 Dec 69
231	L-C-00167(GSA-FSS) CUSHION, CARPET AND RUG,			7 Sep 71
232	L-P-386B INT AMEND 1 PLASTIC MATERIAL, CELLUI			25 May 73
233	L-S-626C INT AMEND 1 (ARMY-GL) SPONGES, SYNTHETIC	7920	GL	·
234	L-S-00626D (GSA-FSS) SPONGES, SYNTHETIC	7920	FSS	15 Jan 70
235	AA-C-00275D(3) (GSA-FSS) CHAIRS, ROTARY AND STRAI			
236	HH-I-524B INSULATION BOARD, THERM	5640 AL (POLYSTYF		6 Nov 72
237	HH-I-530A INT AMEND 2 (YD) INSULATION BOARD, THERMA			18 Dec 75
238	HH-I-550A INSULATION SLEEVING, TH	5640 Ermal (Ureti		20 Mar 67
239	HH-I-573B INSULATION, THERMAL (FLI	5640 EXIBLE UNICE	ME LLULAR	20 Feb 68 SHEET AND PIPE COVERING)
240	HH-I-1751/GEN INSULATION SLEEVING, THE	5640 ERMAL (PIPE	ME AND TUB	20 July 73 E COVERING)
241	HH-I-1751/2 INSULATION SLEEVING, TH			27 July 73 CELLULAR PIPE COVERING)
242	HH-I-1751/3A INSULATION SLEEVING, TH	5640 Ermal, Pipe (
243	HH-I-1751/4 INSULATION SLEEVING, TH		ME COVERIN	6 Aug 73 G (URETHANE)

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Ref.		Category/	Preparing		${\bf Coordination}$
No.		Area	Activity	Issue Date	and QPL
244	ZZ-C-758 CUSHIONS, ARM, SPONGE 1			17 June 46	
245	ZZ-C-00766C (GSA-FSS) CUSHIONS, CHAIR AND ST		FSS	12 May 71	
246	ZZ-C-811(1) CUSHION (UNDERLAY), CAN SYNTHETIC RUBBER	7220 RPET AND RU			
247	ZZ-C-00811B (COM-NBS) CUSHION, CARPET AND RUG			2 Jan 63	
248	ZZ-M-91E INT AMEND 1 (GSA-FSS) MATTRESS, BED, LATEX FO		GL	20 Mar 68	
249	ZZ-P-75B(1) PAD, TYPEWRITER, SPONG		FSS	16 Feb 72	
250	ZZ-P-00355(1) PILLOW, BED, (LATEX FOR		PSS	15 Feb 66	
251	ZZ-P-001235(2) PILLOW, BED (FLAKED UR		FSS	18 Apr 75	
252	LLL-I-535A(2) INSULATION BOARD, THERE				NL
253	PPP-C-795A CUSHIONING MATERIAL, FI PACKAGING APPLICATION		GL LLULAR, P		FOR
254	PPP-C-843C CUSHIONING MATERIAL, C		GL	15 Feb 73	
255	PPP-C-850D(1) INT AMEND 4 CUSHIONING MATERIAL, PO (FOR PACKAGING USES)			18 July 72 RESILIENT	
256	PPP-C-1120(2) INT AMEND 4 (USAF) CUSHIONING MATERIAL, U			16 Feb 73	KAGING

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		FSC			
Ref.		Category/	Preparing		Coordination
No.				Issue Date	
257	PPP-C-1266B INT AMEND 1 (DSA-DA		DM	30 May 73	
	CONTAINER, THERMAL,	SHIPPING, FO	R MEDICAL	MATERIAL	
	REQUIRING CONTROLLS				
	_				
258	PPP-C-1683(1)	8135	69	10 Oct 73	
	CUSHIONING MATERIAL	EXPANDED PO	LYSTYRENE	LOOSE FILL E	ULK
	(FOR PACKAGING APPI	=			
		-			
259	PPP-C-1752A(1)	8135	69	18 June 75	
	CUSHIONING MATERIAL				NE FOAM
260	PPP-C-1797(2)	8135	AS	3 Sep 75	
	CUSHIONING MATERIA	, RESILIENT,	LOW DENSIT	Y, UNICELLUL	AR
	POLYPROPYLENE FOAM			•	
261	PPP-C-1842A(1)	8135	GL	29 Dec 75	
	INT AMEND 2				
	CUSHIONING MATERIAL	, PLASTIC, OP	en cell (F	OR PACKAGING	APPLICATIONS)
262	PPP-T-1835	8135	GL	19 Oct 73	
	TRAYS, PLASTIC, FOR	M AND CLEAR			
	Federal Test Method	Standards (4	stds - 21	methods)	
	FED TEST METHOD ST				
	No. 101B	PACK	AS	25 Apr 75	
	CHG NOT 3				
	PRESERVATION, PACK	AGING AND PACK	ing materi	als: Test Pf	OCEDURES
263	Method 2013	CREEP PROPERT	ies of pac	KAGE CUSHION	ing materials
		UNDER COMPRES	-		
264	Method 2028	•			
			terials (s	TATIC INDENT	PATION METHOD),
		15 Jan 69			
265	Method 4035	WATER ABSORPT	ION BY CUS	HIONING MATE	RIALS,
		15 Jan 69			
266	Method 4043	THERMAL CONDU	CTIVITY OF	CUSHIONING	materials,
		15 Jan 69			
	FED TEST METHOD STI				
	No. 191	8300	GL	17 July 74	
	CHG NOT 5				
	TEXTILE TEST METHODS				
267	Method 5903.2				(used for
		foam products	also), 9	July 71	

	FSC				
Ref.	Category/ Preparing Coordination				
No.	Area Activity Issue Date and QPL				
268	FED TEST METHOD STD				
	No. 406 9330 SH 5 Oct 61				
	PLASTICS: METHODS OF TESTING				
	<u>Note</u> : There are 77 Methods in this Standard. None are known to be applicable only to cellular plastics, but quite				
	probably some of these Methods can be used with cellular				
	plastics. For this reason the Standard is listed.				
	FED TEST METHOD STD				
	No. 601 9320 MR 29 Aug 72				
	CHG NOT 6				
	RUBBER: SAMPLING AND TESTING				
269	Method 12001 CELLULAR RUBBER, GENERAL, 12 Apr 55				
270	Method 12005 GEOMETRICAL MEASUREMENTS, CELIULAR RUBBER,				
	GENERAL, 12 Apr 55				
271	Hethod 12011 LENGTH, CELLULAR RUBBER, 12 Apr 55				
272	Method 12021 WIDTH, CELLULAR RUBBER, 12 Apr 55				
273	Method 12031 THICKNESS, CELLULAR RUBBER, 12 Apr 55				
274	Method 12041 DIAMETER, CELLULAR RUBBER, 12 Apr 55				
275	Method 12111 FLEXING ENDURANCE, CELLULAR RUBBER, 12 Apr 55				
276	Method 12121 INDENTATION, CELLULAR RUBBER, 12 Apr 55				
277	Method 12131 COMPRESSION SET, CELLULAR RUBBER, 12 Apr 55				
278	Method 12141 COMPRESSION RESISTANCE, CELLULAR RUBBER, 12 Apr 55				
279	Method 12151 COMPRESSION DEFLECTION, CELLULAR RUBBER, 12 Apr 55				
280	Method 12211 AIR HEAT TEST, CELLULAR RUBBER, 12 Apr 55				
281	Method 12231 AIR PRESSURE TEST, CELLULAR RUBBER, 12 Apr 55				
282	Method 12311 OIL IMMERSION TEST, CELLULAR RUBBER, 12 Apr 55				
283	Method 12411 WATER ABSORPTION, CELLULAR RUBBER, 12 Apr 55				
	U.S. Dont of Commorce National Bureau of Standards Office of				
	U.S. Dept. of Commerce, National Bureau of Standards, Office of Engineering Standards, Washington, D.C. 20234 (3 stds)				
	bigineering Standards, Washington, D.C. 20234 (5 sees)				
	Voluntary Product Standards*				
284	PS 13-69 UNCORED SLAB URETHANE FOAM FOR BEDDING AND FURNITURE CUSHIONING, Dec 69				
285	PS 63-75 LATEX FOAM MATTRESSES FOR HOSPITALS, Apr 75				
	Simplified Practice Recommendations*				

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286 R 2-62 BEDDING PRODUCTS AND COMPONENTS (MATTRESSES, SPRINGS, BEDSTEADS AND COTS), 1962

^{*} These are really industry standards developed with the assistance of the National Bureau of Standards and issued by that agency.

APPENDIX

Federal Supply Classification (FSC) Groups and Classes and DoD Area Assignments I

From Cataloging Handbook, H2-1, Federal Supply Classification, Part 1, Groups and Classes, January 1975, Defense Supply Agency

Group 13 Ammunition and Explosives

FSC 1320 Ammunition, over 125 mm

FSC 1338 Guided Missile and Space Vehicle Inert Propulsion Units, Solid Fuel; and Components

FSC 1375 Demolition Materials

Group 16 Aircraft Components and Accessories

FSC 1660 Aircraft Air Conditioning, Heating, and Pressurizing Equipment

Group 42 Fire Fighting. Rescue and Safety Equipment

FSC 4220 Marine Lifesaving and Diving Equipment

Group 54 Prefabricated Structures and Scaffolding

FSC 5410 Prefabricated and Portable Buildings (includes Prefabricated Panels)

Group 56 Construction and Building Materials

FSC 5640 Wallboard, Building Paper, and Thermal Insulation Materials

FSC 5680 Miscellaneous Construction Materials

Group 59 Electrical and Electronic Equipment Components

FSC 5970 Electrical Insulators and Insulating Materials

Group 61 Electric Wive, and Power Distribution Equipment FSC 6145 Wire and Cable, Electrical

Group 65 Medical, Dental, and Veterinary Equipment and Supplies FSC 6575 Medical and Surgical Instruments, Equipment and Supplies

Group 71 Furniture

FSC 7110 Office Furniture

Group 72 Household and Commercial Furnishings and Appliances

FSC 7210 Household Furnishings

FSC 7220 Floor Coverings

Group 75 Office Supplies and Devices

FSC 7510 Office Supplies

- Group 79 Cleaning Equipment and Supplies
 FSC 7920 Brooms, Brushes, Mops and Sponges
- Group 80 Brushes, Paints, Sealers, and Adhesives
 FSC 8040 Adhesives
- Group 81 Containers, Packaging, and Packing Supplies

FSC 8115 Boxes, Cartons and Crates

FSC 8135 Packaging and Packing Bulk Materials

FSC 8140 Ammunition and Nuclear Ordnance Boxes, Packages and Special Containers

Group 93 Nonmetallic Fabricated Materials

FSC 9320 Rubber Fabricated Materials

FSC 9330 Plastics Fabricated Materials

DoD Area Assignments (used in lieu of FSC Classification where an FSC class is not applicable)

MISC Miscellaneous

PACK Packaging

Preparing Activities1

- More detailed addresses, telephone numbers, etc. can be found in the DOD Standardization Directory, FSC Class and Area Assignments, SD-1, issued quarterly by the Naval Publications and Forms Center, 5801 Tabor Avenue, Philadelphia, PA 19120. Similar information, but without the telephone numbers, is available in the Department of Defense Index of Specifications and Standards (DODISS), Part II, Numerical Listing. The DODISS, published periodically, is available to private industry and Government civil agencies through the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Military agencies can obtain copies from the Naval Publications and Forms Center directly, or through military channels.
- AS Naval Air Systems Command, Washington, DC
- AT U.S. Army Tank Automotive Command, Warren, MI
- DM Defense Personnel Support Center, Directory of Medical Materiel, Philadelphia, PA
- EC Naval Electronic Systems Command, Washington, DC
- FSS- General Services Administration (GSA), Federal Supply Service Washington, DC
- GL U.S. Army Natick Research and Development Command, (formerly Natick Laboratories), Natick, MA

- ME U.S. Army Mobility Equipment Research and Development Center, Ft. Belvoir, VA
- MI U.S. Army Missile Command, Redstone Arsenal, ALA
- MR U.S. Army Materials and Mechanics Research Center, Watertown, MA
- MU Frankford Arsenal, Philadelphia, PA
- OS Naval Sea Systems Command (Ordnance Systems), Washington, DC
- PA Picatinny Arsenal, Dover, NJ
- SH Naval Sea Systems Command (Naval Ship Engineering Center), Hyattsville, MD
- SM U.S. Army Packaging, Storage and Containerization Center, Tobyhanna Army Depot, Tobyhanna, PA
- YD Naval Facilities Engineering Command, Alexandria, VA
- 11 Aeronautical Systems Division, Wright-Patterson Air Force Base, OH
- 69 Directorate of Packaging, Air Force Logistics Command, Wright-Patterson Air Force Base, OH
- 70 Ogden Air Logistics Center, Air Force Logistics Command, Hill Air Force Base, UT

Coordination and QPL

The symbol "L" means that the document has limited coordination, by one Service only. For example, in Ref. No. 176, the specification was prepared by the Naval Sea Systems Command, Naval Ship Engineering Center, for exclusive Navy use. It was not circulated to the Army, Air Force, or Civil Agencies for their comments and acceptance. Usually these limited coordination documents have symbols representing the preparing activity in parentheses immediately following the specification number. In this case, SHIPS is actually spelled out. In some cases, for Air Force limited coordination documents, the letters USAF are used. In others the official symbols (see Preparing Activities in this Appendix) are used.

The symbol "Q" means that a Qualified Products List of approved sources has been published. The symbol "NQ" means that such a list is planned but not yet issued.

SUBJECT INDEX

(in terms of Reference Numbers)

(Note: With a few exceptions, this index has been prepared only from the titles of the Standardization documents cited.)

Abrasion resistance - 71, 78 Absorption, acoustical materials - 19, 24 Accelerated service conditions - 61 Accuracy - 137 Acoustical materials - 18, 19, 24, 31, 209 Adhesive, flexible unicellular - 188 Aging, heat - 67, 123 Aging, humid - 100 Aging, laboratory, sandwich construction - 28 Aging, thermal - 100 Aging, vulcanized rubber - oven method - 48 Aircraft applications - 152, 153, 191, 201, 225 Air flow resistance, acoustical materials - 31 Air heat test, cellular rubber - 280 Air-pressure heat test, vulcanized rubber - 44 Air-pressure test, cellular rubber - 281 Air pycnometer method for open-cell content - 118 Alkalinity, hollow glass microspheres - 124 Automotive rubber compounds - 75, 158 Automotive urethane compounds - 160, 161 Bacterial resistance - 139 Baffle material, aircraft fuel tank - 219 Ballistic environment - 201 Bedding cushioning, urethane foam - 284, 289 Biodeterioration - 138, 139 Bomb container - 196 Breaking load (thermal insulation material) - 4 Brittleness temperature - 58 Building materials - 130, 133, 163 Burning characteristics (see Flammability) Cable application - 181-184 Cantilever beam stiffness test - 59 Carbon-arc test - 60, 82, 140 Cellulose acetate, cellular - 175 Cellulosic tubular cushioning material, free-flow - 180 Chairs, padding - 235 Chemical resistance - 47 Chloroprene rubber sponge - 145-147 Circular oven test - 98 Classification system, cellular elastomeric materials - 224 Compression-deflection, vulcanized rubber - 49 Compression, edgewise, sandwich construction - 15

Compression resistance, cellular rubber - 278 Compression set, cellular rubber - 42, 76, 277 Compression strength - 1, 14, 55, 88 Compressive strength, hydrostatic, syntactic foam - 112 Conditioning prior to testing - 50, 136 Conductance - 41 Container, polyurethane foam - 195, 196, 212 Creep, package cushioning materials - 102, 263 Cushion, carpet and rug - 230, 231, 246, 247 Cushioning materials (see Package cushioning materials) Cushions, arm, for crutches - 244 Cushions, chair and stool - 245 Cyclic immersion, syntactic foam - 111 D-C Resistance (conductance) - 41 Definitions - 2, 8, 68, 86, 128 Deflection temperature under flexural load - 54 Density, apparent, rigid cellular plastics - 89 Density, average true particle, hollow microspheres - 113 Density, bulk, hollow glass microspheres - 125 Density, sandwich core materials - 5 Density, thermal insulation material - 10 Diameter, cellular rubber - 274 Dielectric breakdown voltage - 38 Dielectric constant (permittivity) - 39, 94 Dielectric strength - 38 Dimensional stability - 33 Dissipation factor - 94 Elasticity, bulk modulus of - 120 Elasticity, modulus of (Young's modulus) - 132 Elastomeric materials - 29, 32, 69, 165, 169, 224 Elastomeric materials, cellular, fabricated parts - 165 Electrical applications (see Electrical insulating materials) Electrical insulating materials - 94, 181-184, 204, 205, 207 Electrical properties - 38, 39, 94 Elevated temperature test - 98 Encapsulating material, polyurethane foam - 204, 207, 208 Engine, small, container - 195 Epoxy foam - 151 Expanded cellular rubber - 74 Expansion coefficient, cubical, thermal - 66 Expansion coefficient, linear, thermal - 56 Fatigue test, dynamic flex - 159 Fiber, bound, uncompressed, for cushioning - 256 Fibrous glass cushioning material - 174 Fillers, joint - 127 Film, cellular plastic, for package cushioning - 253 Filter element, air - 213 Flaked urethane - 250

Flammability - 52, 95, 99, 116, 119, 122, 130, 133, 135, 152, 153, 158, 162-164, 201, 267 Flex fatigue test, dynamic - 159 Flexible cellular plastics (not otherwise described) - 107, 148, 188, 192, 211, 217, 218, 232 Flexing endurance, cellular rubber - 2. Flexural load, deflection temperature effect under - 54 Flexural properties, plastics - 65 Flexural strength, thermal insulation - 4 Flexure-creep, sandwich construction - 27 Flexure test, flat sandwich construction - 20 Fluorescent sunlamp exposure - 83 Foam-in-place (pour-in-place) - 168, 179, 186, 187, 189, 191, 199, 220, 222, 229 Fungal resistance - 138 Furniture, cushioning, urethane foam - 284 Gasket and sealing materials, cellular - 29 Geometrical measurements, cellular rubber - 269 Guarded hot plate method - 3 Hardness, indentation (Durometer) - 104 Hardness, international, vulcanized rubber - 80 Hardness, Rockwell - 64 Hard rubber, tension testing - 110 Heat flow meter test for thermal conductivity - 30 Horizontal screen test (burning) - 95 Hot surface performance, thermal insulation - 22 Hydrostatic collapse strength, hollow glass microspheres - 126 Ignition properties - 99 Impact res:.lience of rubber - 72 Impact strength, insulating materials (thermal and electrical) - 36, 40, 58 Impact strength, tensile - 97 Impedance, acoustical materials - 19 Incandescence resistance - 62 Indentation (hardness) - 34, 46, 276 Isocyanate raw materials - 91 Latex foam rubber - 73, 156, 158, 248, 250 Length, cellular rubber - 271 Light exposure test - 60, 62, 82, 83, 108, 140 Linear dimension changes - 70 Liquid immersion effect on properties of elastomeric vulcanizates - 45 Load deflection characteristics - 264 Loose-fill expanded polystyrene - 259 Mattresses, latex foam - 285, 286 Mattresses, sponge rubber - 176, 248, 286 Maximum use temperature, thermal insulation - 26 Mechanical oscillograph method for elastomeric vulcanizates - 69 Mechanical properties of elastomeric vulcanizates under compression

or shear strains - 69

Mechanical stability, thermal insulation, tumbling method - 23 Mechanical testing, definitions - 128 Medical application - 257 Microspheres, hollow - 113, 114, 124-126 Missile case applications - 210 Mounting bases - 217 Nozzle seal, rocket motor - 206 Oil immersion test, cellular rubber - 282 Open cell content - 118 Oxygen index method for flammability - 119 Package cushioning materials - 77, 87, 101, 102, 174, 180, 192, 193, 195, 196, 212, 222, 226, 228, 229, 253-256, 258-261, 263-266 Packing factor, hollow glass microspheres - 125 Pad, typewriter, sponge rubber - 249 Penetration of rubber - 72 Permittivity - 39 Pillow, bed - 250, 251 Pipe insulation, thermal conductivity of - 11, 239, 240 Piston-cylinder method for bulk modulus of elasticity of syntactic foam - 120 Polyester urethane foam - 218 Polyether usethane foam - 199 Polyethylene foam - 257 Polypropylene foam - 260 Polystyrene foam, expanded bead - 177, 197, 214, 255, 258 Polystyrene foam, thermal insulation - 35, 236 Polyurethane (see Urethane) Polyvinyl chloride copolymer sponge - 92 Polyvinyl chloride foam - 85, 155 Polyvinyl chloride sponge - 92 Potting compound, foamed epoxy - 151 Pour-in-place foam (see Foam-in-place) Precision - 137 Probe method, thermal conductivity - 105 Radiant heat energy surface flammability test - 135 Radiation (high energy) effects - 93, 121 Radomes - 154 Rate-of-rise test, urethane foaming systems - 103 Rebound pendulum test - 72 Reticulated urethane foam - 219 Rigid cellular plastics (not otherwise described) - 88-90, 100, 106, 115, 118, 172, 179, 187, 189, 192, 210, 212 Rockwell hardness (see Hardness, Rockwell) Rubber (vulcanized) - 42-46, 49, 51, 60, 69, 72-76, 79, 80, 86, 101, 104, 110, 141-147, 156, 157, 164, 166, 167, 176, 178, 200, 244, 246-250, 269-283, 285 Rubberized curled hair - 101 Rupture, modulus of (thermal insulation materials) - 18 Sandwich constructions - 5-9, 15-17, 20, 21, 27, 28, 154, 191, 221-223 Seal, nozzle, rocket motor - 200

Scat cushion insert, polyurethane foam - 194 Shear fatigue, sandwich core materials - 21 Shear modulus - 134 Shear strength - 57 Shear test sandwich core materials - 7 Sheet - 32, 149, 172, 173, 190, 205, 239 Shock-absorbing characteristics of package cushioning materials - 87 Shrinkage, linear, thermal insulation - 14 Significant figures - 129 Silicone rubber sponge - 141-144, 200 Slab flexible urethane foam - 84 Slosh, anti, application, aircraft fuer tank - 220 Smoke density - 116 Soaking heat - 14 Sound absorption (see Absorption, acoustical materials) Specific heat, thermal insulation - 12 Sponge, chloroprene rubber - 145-147 Sponge (rubber), synthetic - 74, 157, 176, 233, 234 Sponge, silicone rubber - 141-144, 200 Static indentation method (for load deflection) - 264 Stiffness, cantilever beam method - 59 Storage recommendations for cellular rubber and plastics - 164 Strength properties, architectural acoustical materials - 18 Stress relaxation, vulcanized rubber - 79 Strip, insulati ... - 205 Surface abrasion - 71 Syntactic foam - 111-114, 120, 124-126, 150, 185, 186 Tape, adhesive, urethane foam - 202, 215 Tear resistance, vulcanized rubber - 51 Temperature extremes, effect on physical properties - 63, 98 Tensile impact strength - 97 Tension test (tensile) - 9, 43, 53, 90, 109, 110 Thermal conductivity - 3, 11, 30, 105, 266 Thermal insulating materials - 2, 4, 10-12, 14, 22, 23, 25, 26, 33-35, 37, 170, 171, 188, 198, 236-243, 252, 257 Thickness, cellular rubber - 273 Thickness measurement, sandwich cores - 17 Tiles, syntactic foam - 150 Trays - 161 Tube, igniter, for propelling charge (cellular urethane) - 203 Tube method, impedance and absorption of acoustical materials - 19 Tubular material, elastomeric cellular - 32 Tumbling method, mechanical stability of thermal insulation - 23 Urethane (polyurethane) foam - 84, 106, 107, 148, 159-161, 163, 168, 179, 187, 189, 191, 192, 194-196, 199, 201-204, 206-208, 210-213, 216, 218, 219-222, 229, 230-232, 237, 238, 243, 251, 284 Urethane foaming systems - 103 Urethane foam isocyanate raw materials - 91, 96, 117 Vibration barriers - 209 Vinyl chloride copolymer foam - 85, 155

Vinyl chloride polymer foam - 85

Volume increase - urethane foaming systems - 103

Water absorption, package cushioning materials - 264

Water absorption, rigid cellular plastics - 115

Water absorption, sandwich core materials - 6

Water exposure - 82, 108, 140

Water vapor transmission - 13, 131

Weathering test, artificial - 60, 108

Weather resistance exposure, weathering - 75, 81

Width, cellular rubber - 272

Young's modulus (see Elasticity, modulus of)

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