

CHANGE NOTICES ARE NOT  
CUMULATIVE AND SHALL BE  
RETAINED UNTIL SUCH TIME  
AS THE ENTIRE STANDARD  
IS REVISED

FED. TEST METHOD STD. NO. 601  
April 12, 1955  
CHANGE NOTICE 7  
August 17, 1976

FEDERAL TEST METHOD STANDARD  
RUBBER: SAMPLING AND TESTING

The following changes in Fed. Test Method Std. No. 601, dated April 12, 1955, have been approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

Inclosed are new indexes of test methods superseded by American Society for Testing and Materials (ASTM) and those cancelled because they are no longer referenced in any Federal or Military specification. The index of superseded Fed. Test Methods in Change Notice 4 is superseded by this Change Notice. Instructions for inserting these inclosures are as follows:

Remove the following, dated April 12, 1955, in their entirety and substitute the appropriate revisions:

- a. Section 2. Alphabetical Index of Test Methods.
- b. Section 3. Numerical Index of Test Methods.
- c. Section 4. Subject Index.
- d. Section 5. Definitions of Terms.
- e. Section 6. Sampling and Acceptance Procedures.
- f. Section 7. Delete
- g. Section 8. Delete.

MILITARY CUSTODIANS

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Preparing activity:

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RETAIN THIS CHANGE NOTICE AND INSERT BEFORE THE TABLE OF CONTENTS.

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FSC 9320

## SECTION 2

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1/ The word "None" indicates that the test method has been cancelled because it is no longer referenced in any Federal or Military specification and there is no comparable ASTM test method.

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Hardness, ASTM hardness number. . . . .	3041	None <u>1/</u>	
Hardness, indentometer. . . . .	3051	None <u>1/</u>	
Plastic flow. . . . .	3111	None <u>1/</u>	

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Strain . . . . .	4141	D 1456-61(1974)	
Tear resistance, crescent and angle .	4211	D 624-73	
Tear resistance, strip . . . . .	4221	None <u>1</u> /	
Strength of splice . . . . .	4311	None <u>1</u> /	
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Change in thickness, liquid immersion after recovery. . . . .	6241	None 1/	
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Hose, change in diameter, liquid exposure . . . . .	6421	None 1/	
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Resistance to boiling water . . . . .	6611		
Extraction, boiling water . . . . .	6621		
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Friction, dead-weight method. . . . .	8021	D 413-76	
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Electrical resistance of casters. . . . .	9211	None 1/	
Group 10000 - Hydrostatic tests			
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Bursting strength, curved specimen . . . . .	10021	D 380-76	14.2
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Flexural strength, hard rubber. . . . .	11041	None 1/	
Deflection, hard rubber . . . . .	11051	None 1/	
Cold flow, hard rubber. . . . .	11121	D 530-68(1974)	
Impact resistance, hard rubber, general . . . . .	11211	None 1/	

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Elongation, insulating tape . . . . .	13031	D 119-70	16
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Extract, chloroform . . . . .	16331	D 297-76	19
Extract, alcoholic potassium hydroxide . . . . .	16341	D 297-76	21
Extract acetone, unsaponifiable . . . . .	16351	D 297-76	22
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Fillers, mineral oil. . . . .	16411	None <u>1</u> /	
Fillers, paranitrotoluene-orthodichloroben-			
zene. . . . .	16421	None <u>1</u> /	
Fillers, ash method . . . . .	16431	D 297-76	34
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Fibrous materials, mineral oil. . . . .	16531	None <u>1</u> /	
Fibrous materials, paranitrotoluene-			
orthodichlorobenzene. . . . .	16535	None <u>1</u> /	
Chemical analysis of packings, general . . . . .	16601	None <u>1</u> /	
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hydrocarbon . . . . .	16611	None <u>1</u> /	
Packings, lubricant, graphite absent. . . . .	16621	None <u>1</u> /	
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Packings, metal and fibrous materials, paranitrotoluene-orthodichlorobenzene . . .	16635	None <u>1/</u>	
Packings, fillers in rubber compound, mineral oil . . . . .	16641	None <u>1/</u>	
Packings, fillers in rubber compound, paranitrotoluene-orthodichlorobenzene . . .	16645	None <u>1/</u>	
Packings, asbestos. . . . .	16651	None <u>1/</u>	
Packings, chemically combined water, asbestos. . . . .	16661	None <u>1/</u>	

1/ The word "None" indicates that the test method has been cancelled because it is no longer referenced in any Federal or Military specification, and there is no Comparable ASTM test method

## SECTION 4

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		16261	D 297-76	32

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Contraction Hose.. . . .	...	10311	D 380- 76	15 1.1
Corrosion Metal by Rubber..... . . . .	...	14211	---	
Defective Unit, Definition..... . . . .	5,6	...	---	
Definition Of Terms..... . . . .	5	....	---	
Deflection..... . . . .	...			
Compression, Cellular Rubber.... . . . .	...	12151	D 1056-73	17-20
Hard Rubber..... . . . .	...	11051	None <u>1</u> /	
Delivery, Definition..... . . . .	5,6	...	---	

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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
<b>Diameter:</b>				
Cellular Rubber.....	.....	12041	D 1056-73	14
Circumference.....	.....	2231	---	
Optical.....	.....	2211	---	
Scale or Tape.....	.....	2221	---	
<b>Dielectric Strength:</b>				
Friction Tape.....	.....	13311	D 69-67(1972)	23
Insulation Tape.....	.....	13321	D 119-70	17
<b>Dimensional Changes, Hard Rubber in Battery Acid.....</b>	.....	11421	D 639-72	19-26
<b>Durometer:</b>				
Calibration.....	.....	3025	D 2240-75	
Hardness.....	.....	3021	D 2240-75	
Hardness, Low-Temperature.....	.....	5511	D 2240-75	
<b>Elongation:</b>				
Definition.....	5	4001	D 412-75	2
Hard Rubber.....	.....	11021	D 2707-73	4.1.4
Hose.....	.....	10311	D 380-76	15.1.1
Rubber.....	.....	4121	D 412-75	
Tape, Insulating.....	.....	13031	D 119-70	16
Expanded Rubber, Definition.....	5	12001	D 1056-73	1-4, & 14
Expansion, Hose.....	.....	10321	D 380-76	15.1.5
<b>Extract:</b>				
Acetone.....	.....	16321	D 297-76	18
Alcoholic Potassium Hydroxide... . . . .	.....	16341	D 297-76	21
Chloroform.....	.....	16331	D 297-76	19
Definitions Extracts.....	5	16301	---	
Mineral Oil.....	.....	16371	D 297-76	24
Organic Solvent, Digestion Method.....	.....	6511	---	
<b>Total:</b>				
Packings.....	.....	16621	None <u>1</u> /	
Rubber.....	.....	16311	D 297-76	20
Unsaponifiable.....	.....	16351	D 297-76	22
Water.....	.....	6621	---	
Waxy Hydrocarbons.....	.....	16361	D 297-76	23
<b>Fabric:</b>				
Coated, Hydrostatic Resistance..	.....	10511	D 751-73	35-38
Coating Adhesion.....	.....	8211	D 751-73	39-42
Separation from Rubber.....	.....	1011	D 3183-73	
Factice.....	.....	16011	D 297-76	9
<b>Fibrous Materials:</b>				
<b>Packings:</b>				
Mineral Oil.....	.....	16631	None <u>1</u> /	
Paranitrotoluene-Orthodichlorobenzene.....	.....	16635	None <u>1</u> /	

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Title	Section No.	Method No	Use ASTM Method No	ASTM Method Section
Rubber				
Mineral Oil .....	..	16531	None <u>1</u> /	
Paranitrotoluene-Orthodichloro- benzene.. .....	.	16535	None <u>1</u> /	
Fillers				
Packing				
Mineral Oil .....	..	16641	None <u>1</u> /	
Paranitrotoluene-Orthodichloro- benzene .....	..	16645	None <u>1</u> /	
Rubber.				
Ash .....	...	16431	D 297-76	54
Mineral Oil.....	..	16411	None <u>1</u> /	
Paranitrotoluene-Orthodichloro- benzene .....	.	16421	None <u>1</u> /	
Flexibility.				
Bending Beam, Low-Temperature...	..	5211		
Hose, Low Temperature.....	..	5711	None <u>1</u> /	
Flexural Strength, Hard Rubber....	..	11041	None <u>1</u> /	
Free, Carbon. ,.....	.....	15811	D 297-76	38
		16511	D 297-76	37
Free Sulfur				
Definition .....	5	16201	D 297-76	26-27
Determination.....	..	16211	D 297-76	28
Friction.				
Definition .....	5	8001	None <u>1</u> /	
Machine Method.....	.....	8011	D 413-76	
		8031	D 429-73	Method B
Weight Method.....	.....	8021	D 413-76	
Fusion, Insulating Tape.....	.....	13131	D 119-70	18
Gasket Materials, Compressibility and Recovery .....	..	3331	F 36-66	
Glue.....	.....	16011	D 297-76	9
		16521	D 297-76	68
Hard Rubber.				
Acid Absorbed.....	....	11411	D 639-72	19-26
Acid Penetration.....	.....	11431	None <u>1</u> /	
Acid Soluble Material.....	....	11411	D 639-72	19-26
Bulge Test .....	.....	11321	D 639-72	41-47
Cold Flow ...	....	11121	D 530-68(1974)	
Definition.....	5	11001	D 530-68(1974)	
Deflection.....	.....	11051	None <u>1</u> /	
Dimensional Changes, in Battery				
Acid....	....	11421	D 639-72	19-26
Elongation..	.....	11021	D 2707-73	4.1.4
Flexural Strength.....	.....	11041	None <u>1</u> /	
General.....	.....	11001	D 530-68(1974)	



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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
Impact Resistance:				
Battery Containers.....	.....	11261	D 639-72	35-40
Cantilever Beam.....	.....	11221	D 530-68(1974)	4 1 5.
Fixed Size Ball.....	.....	11251	None <u>1</u> /	
General.....	.....	11211	None <u>1</u> /	
Simple Beam .....	.....	11231	D 530-68(1974)	4.1 5.
Variable Size Ball.. ..	.....	11241	---	
Softening Point.....	.....	11311	---	
Tensile Strength.....	.....	11011	None <u>1</u> /	
Voltage Withstand, Battery Containers.....	.....	11521	D 639-72	54-59
Weight Change Battery Acid. ....	.....	11411	D 639-72	19-26
Hardness				
Durometer .....	.....	3021	D 2240-75	
Indentometer.....	.....	3051	None <u>1</u> /	
Plastometer....	.....	3031	D 531-56(1970)	
Low-Temperature:				
Durometer.. ..	.....	5511	D 2240-75	
Indentometer.....	.....	5521	None <u>1</u> /	
Plastometer.....	.....	5531	---	
Heat Test (See Aging)				
Hold Test, Hose:				
Curved Specimen.....	.....	10231	None <u>1</u> /	
Straight Specimen.....	.....	10221	D 380-75	15.5
Hose:				
Change, in liquids.				
Adhesion .....	.....	6411	---	
Diameter.....	.....	6421	None <u>1</u> /	
Flexibility, Low Temperature. .	.....	5711	None <u>1</u> /	
Hydrostatic Pressure:				
Air Leakage.....	.....	10111	D 622-73	5
Bursting Strength.				
Curved Specimen.. ..	.....	10021	D 380-76	14.2
Straight Specimen....	.....	10011	D 380-76	14.1
Elongation.....	.....	10311	D 380-76	15.1.1
Expansion.....	.....	10321	D 380-76	15.1.5
Hold Test:				
Curved Specimen.....	.....	10231	None <u>1</u> /	
Straight Specimen.....	.....	10221	D 380-76	15.5
Kink.....	.....	10361	D 380-76	15.4
Proof Pressure.....	.....	10211	D 380-76	12,13 & 15.3
Rise.. ..	.....	10351	D 380-76	15.1.4
Twist.....	.....	10331	D 380-76	15.1.2
Warp.....	.....	10341	D 380-76	15.1.3

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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
Humidity and Temperature of Testing Room.....	7		None <u>1</u> /	
Hydrostatic Pressure:				
Coated Fabric. ....	.. .. .	10511	D 751-73	35-38
Hose. (See Hose Hydrostatic Pressure)				
Identification of Synthetic Rubber .....	.....	15011	D 297-75	58-64
Impact Resistance. (See Hard Rubber.)				
Indentation, Cellular Rubber.....	.....	12121	D 1055-69	20-23
Indentometer				
Hardness. . . . .	.....	3051	None <u>1</u> /	
Hardness, Low-Temperature.....	.... .	5521	None <u>1</u> /	
Inorganic Sulfur				
Antimony Absent. ....	.....	16261	D 297-76	32
Antimony Present.....	.....	16251	None <u>1</u> /	
Kink, Hose.....	.. .. .	10361	D 380-76	15.1,15.4
Laminated Materials, Change, in Liquids... .	.. .. .	6311	---	
Latex Foam Rubber, Definition....	5	12001	D 1056-73	1 - 4 & 14
Leakage, Air Hose.....	.. .. .	10111	D 622-73	5
Length:				
Cellular Rubber... . . . .	.....	12011	D 1056-73	14
Rubber....	.....	2411	---	
Light Resistance.....	.....	7311	D 750-68(1970)	
Liquid Treatment:				
Cellular Rubber:				
Volume Change, in Oil.....	.. .. .	12311	D 1056-73	24-29
Water Absorption.. .. .	.....	12411	D 1056-73	30-32.1
Hard Rubber.				
Acid Absorbed.....	.....	11411	D 639-72	19-26
Acid-Soluble Material.....	.....	11411	D 639-72	19-26
Dimensional Changes, in Battery Acid....	.....	11421	D 639-72	19-26
Penetration, Acid. ....	.....	11431	None <u>1</u> /	
Weight Change, in Battery Acid .....	.....	11411	D 639-72	19-26
Hose.				
Adhesion Change . . . . .	.....	6411	---	
Diameter Change.. .. .	.....	6421	None <u>1</u> /	
Rubber				
Elongation, Change.				
Immediately After Immersion. . . . .	.....	6111	---	
After Recovery.. .. .	.....	6121	---	
Laminated Materials .....	.....	6311	---	
Phenol Resistance .....	.....	6711	None <u>1</u> /	

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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
Solvent Extraction.....	.....	6511	---	
Tensile Strength Change.				
Immediately After Immersion . . . . .	.....	6111	---	
After Recovery.....	.....	6121	---	
Thickness, Change.				
Immediately After Immersion. ....	.....	6231	None <u>1</u> /	
After Recovery.....	.....	6241	None <u>1</u> /	
Volume Change.....	.....	6211	---	
Water:				
Boiling... ..	.....	6611	---	
Extraction .....	.....	6621	---	
Weight Change .....	.....	6631	None <u>1</u> /	
Weight Change, General.....	.....	6251	---	
Lot Definition.. ..	5, 6	.....	---	
Low-Temperature				
Cellular Rubber, Deflection.....	.....	12221	D 1055-69	15-16
Hose, Flexibility .....	.....	5711	None <u>1</u> /	
Rubber:				
Brittleness:				
Motor-Driven Apparatus.....	.....	5311	D 2137-75	
Solenoid-Actuated Apparatus. ....	.....	5321	D 2137-75	
Compression Set.....	.....	5411	D 1229-62(1968)	
Conditioning of Materials... ..	.....	5111	D 832-64(1974)	
Flexibility, Bending Beam.....	..	5211	---	
Hardness:				
Durometer.....	.....	5511	D 2240-75	
Indentometer.....	.....	5521	None <u>1</u> /	
Plastometer.....	.....	5531	---	
Stiffness, Torsional.....	.....	5611	D 1053-73	
Lubricant, Packings:				
Graphite Absent.....	.....	16621	None <u>1</u> /	
Graphite Present.....	.....	16625	None <u>1</u> /	
Organic Solvent-Soluble, And				
Graphite.....	.....	16627	None <u>1</u> /	
Median, Definition.....	5	.. ..	---	
Mineral Oil:				
Extract:				
Definition.....	5	16301	---	
Determination.....	.....	16371	D 297-76	24
Nitrile Rubber:				
Determination.....	.....	15211	D 297-76	54
Indentification.....	.....	15011	D 297-76	58-64
Notes.....	8	None <u>1</u> /	---	
Oil Treatment, Cellular Rubber....	.....	12311	D 1056-73	24-29
Organic Extract.				
Definition.....	5	.....	---	

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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
Determination .....	...	16301	---	
Oxygen .....	...	7111	D 454-53(1970)	
Packings				
Asbestos				
Content .....	...	16651	None 1/	
Chemically Combined Water.....	...	16661	None 1/	
Chemical Analysis of, General. ....	...	16601	None 1/	
Fibrous Materials:				
Mineral Oil.....	...	16631	None 1/	
Paranitrotoluene-Orthodichloro- benzene .....	...	16645	None 1/	
Fillers				
Mineral Oil .....	...	16641	None 1/	
Paranitrotoluene-Orthodichloro- benzene .....	...	16645	None 1/	
Lubricants				
Graphite Absent. ....	...	16621	None 1/	
Graphite Present.....	...	16625	None 1/	
Organic Solvent-Soluble, and Graphite .....	...	16627	None 1/	
Metal				
Mineral Oil.....	...	16631	None 1/	
Paranitrotoluene-Orthodichloro- benzene .....	...	16635	None 1/	
Rubber Compound and Rubber				
Hydrocarbon.....	...	16611	None 1/	
Penetration Acid, Hard Rubber.....	...	11431	None 1/	
Phenol Resistance.....	...	6711	None 1/	
Phosphate Plasticizer:				
Fusion Method. ....	...	15821	---	
Sodium Method .....	...	15825	---	
Pinholes, Friction Tape.....	...	13211	D 69-67(1972)	22
Plastic Flow .....	...	3111	None 1/	
Plasticizer, Phosphate:				
Fusion Method .....	...	15821	---	
Sodium Method. ....	...	15825	---	
Plastomers				
Hardness .....	...	3031	D 531-56(1970)	
Hardness vs-Temperature.....	...	5531	---	
Polychloroprene (Chloroprene):				
Determination .....	...	15111	D 297-76	53
Identification.....	...	15011	D 297-76	58-65
Polyisobutylene				
Determination.....	...	15511	D 297-76	55
Identification.....	...	15011	D 297-76	58-64
Polystyrene (Styrene):				
Determination.....	...	15311	D 297-76	56
Identification.....	...	15011	D 297-76	58-64
Polysulfide (Thioplasts):				
Determination.....	...	15411	---	

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Title	Section No.	Method No.	Use ASTM Method No.	ASTM Method Section
Identification.....	.....	15011	D 297-76	58-64
Proof Pressure, Hose.....	.....	10211	D 380-76	12,13 & 15.3
Recovery and Compression:				
Gasket Materials.....	.....	3331	F 36-66	
Rubber.....	.....	3321	None 1/	
Rejection of Lot.....	5, 6	.....	---	
Resilience, Oscillograph.....	.....	3411	D 945-72	Part C
Resistance, Electrical, Casters. .	...	9211	None 1/	
Rise, Hose.....	.....	10351	D 380-76	15.1.4
Rubber.				
Corrosion of Metal.....	.....	14211	---	
Direct Method. ....	.....	16121	D 297-76	52
Indirect Method.....	.....	16111	D 297-76	10 & 12
Packings .....	.....	16611	None 1/	
Separation From Fabric.....	.....	1011	D 3183-73	
Sample:				
Chemical Tests, Preparation.....	.....	1211	D 297-76	8
Definitions. ....	5, 6	.....		
Sampling and Acceptance Procedures. ....	6	.....	---	
Sampling Plan.....	6	.. .	---	
Scope and Contents.....	1			
Sealing Pressure. ....	.....	3211	D 1081-60(1974)	
Seam Strength.....	.....	8311	---	
Set Compression				
Definition.....	5	3311	D 395-75	Method B
Determination.....	.....	3311	D 395-75	Method B
Low-Temperature.....	...	5411	D 1229-62(1968)	
Set, Tension:				
Definition....	5	4001	D 412-75	
Determination.. .	.....	4411	D 412-75	
Skin or Rind, Definition.. .	5	12001	D 1056-73	1-4, & 14
Softening Point, Hard Rubber. .	.....	11311	---	
Specific Gravity				
Hydrostatic.....	.....	14011	D 792-66(1975)	Method A-1
Pycnometer.....	.....	14021	D 792-66(1975)	Method A-2
Specimen, Definition.....	.....	.....	---	
Splice, Strength....	.....	4311	None 1/	
Sponge Rubber, Definition.. .	5	12001	D 1056-73	1 - 4, & 14
Steam Resistance. (See Aging)....	.....	7411	---	
Sterilization Steam.....	.....	5611	D 1053-73	
Stiffness, Torsional.....	.....	5612	D 1053-73	
Stiffness, Torsional, Low Temperature Gaseous Medium.....	.....	5612	D 1053-73	
Strain				
Definition.....	5	4001	D 412-75	

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Title	Section No	Method No	Use ASTM Method No	ASTM Method Section
Determination .....	...	4141	D 1456-61(1974)	
Strength				
Breaking, Friction Tape.....	..	13011	D 69-67(1972)	9.1
Bursting				
Hose				
Curved Specimen.....	...	10021	D 380-76	14.2
Straight Specimen.....	.....	10011	D 380-76	14.1
Flexural				
Definition.....	5	11041	None <u>1</u> /	
Determination.....	.....	11041	None <u>1</u> /	
Seam .....	.....	8311	---	
Splice				
Definition .....	5	4001	D 412-75	
Determination.....	.....	4311	None <u>1</u> /	
Tear				
Crescent and Angle.....	.....	4211	D 624-73	
Strip....	.....	4221	None <u>1</u> /	
Tensile				
Definition .....	5	4001	D 412-75	
Hard Rubber .....	...	11011	D 2707-73	
Tape, Insulating.....	.....	13021	D 119-70	16
Styrene Rubber.				
Determination..	.....	15311	D 297-76	56
Identification.....	.....	15011	D 297-76	58-64
Sulfur:				
Extract				
Definition .....	5	16201	D 297-76	26 - 27
Determination.....	.....	16221	D 297-76	29
Free:				
Definition. ....	5	16201	D 297-76	26 - 27
Determination.....	.....	16211	D 297-76	28
Fusion Method. ....	.....	16241	D 297-76	31
In Friction Tape.....	.....	13411	None <u>1</u> /	
Inorganic:				
Antimony Absent.....	.....	16261	D 297-76	32
Antimony Present..	.....	16251	None <u>1</u> /	
Definition.....	5	16201	D 297-76	26 - 27
Total.....	5	16201	D 297-76	26 - 27
Zinc - Nitric Acid Method.....	.....	16231	D 297-76	30
Synthetic Rubber:				
Determination.				
Chloroprene.....	.....	15111	D 297-76	53
Nitrile.....	.....	15211	D 297-76	54
Polyisobutylene.....	.....	15511	D 297-76	55
Styrene.....	.....	15311	D 297-76	56

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Title	Section No	Method No.	Use ASTM Method No	ASTM Method Section
Identification.....	.. ..	15011	D 297-76	58-64
Tackiness:				
Friction Tape.....	. ....	13141	D 69-67(1972)	20
Insulating Tape.....	. ....	13151	D 119-70	19
Tape:				
Friction:				
Adhesion.....	.. ..	13111	D 69-67(1972)	19.1
		13121	D 69-67(1972)	19.2
Breaking Strength.....	.. ....	13011	D 69-67(1972)	9.1
Dielectric Strength.....	. ....	13311	D 69-67(1972)	23
Pinholes.....	.. ....	13211	D 69-67(1972)	22
Sulfur.....	. . . .	13411	None 1/	
Tackiness.....	. . . .	13141	D 69-67(1972)	20
General.....	. . . .	13001	D 69-67(1972)	1 - 5
Insulating:				
Dielectric Strength.....	.....	13321	D 119-70	17
Elongation.....	. ....	13031	D 119-70	16
Fusion.....	. . . .	13131	D 119-70	18
Tackiness.....	. . . .	13151	D 119-70	19
Tensile Strength.....	.. ....	13021	D 119-70	16
Tear Resistance:				
Crescent and Angle.....	... ..	4211	D 624-73	
Definition.....	5	4001	D 412-75	
Strip.....	. . . .	4221	None 1/	
Temperature and Humidity of Test ing Room.....	7	None 1/	---	
Tensile Strength:				
Definition.....	5	4001	D 412-75	
Hard Rubber..	. . . .	11011	D 2707-73	
Rubber.....	. . . .	4111	D 412-75	
Tape, Insulating.....	. . . .	13021	D 119-70	16
Tensile Stress:				
Definition.....	5			
Determination.....	. . . .	4131	D 412-75	
Tension Machine, Calibration....	....	4116	D 412-75	
Tension Set:				
Definition.....	5	4001	D 412-75	
Determination.....	. . . .	4411	D 412-75	
Test, Definition.....	5, 6	.. ..	---	
Test Result, Definition.....	5, 6	.....	---	
Test Unit Definition..	5, 6	.	---	
Thickness:				
Cellular Rubber.....	.. ..	12031	D 1056-73	14

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Title	Section No	Method No.	Use ASTM Method No.	ASTM Method Section
Thickness---Continued				
Dial Micrometer				
Flat Foot.....		2011	---	
Spherical Foot .....		2021	---	
Magnetic Gage. ....		2041	---	
Optical.. ....		2031	---	
Thioplasts (Polysulfide Rubber):				
Determination.....		15411	---	
Identification.....		15011	D 297-76	58-64
Torsional Test Stiffness.. ....		5611	D 1053-73	
Total Extract:				
Definition... ..	5	16301	---	
Determination.....		16311	D 297-76	20
Total Sulfur; Definition.....	5	16201	D 297-76	26-27
Twist, Hose.....		10331	D 380-76	15.1.2
Unit:				
Defective.....	5,6	.	---	
Definition.....	5,6	.....	---	
Unsaponifiable Acetone Extract:				
Definition.....	5	16301	---	
Determination... ..		16351	D 297-76	22
Vinyl Plastics, Identification....		15011	---	
Voltage Withstand, Battery Containers.....		11521	D 639-72	54-59
Volume Change:				
Cellular Rubber in Oil.....		12311	D 1056-73	24-29
Rubber in Liquids .....		6211	---	
Volume Resistivity				
Definition.....	5	9111	D 991-75	
Determination.....		9111	D 991-75	
Warp, Hose.....		10341	D 380-76	15.1.3
Waxy Hydrocarbons:				
Definition.. ....	5	16301	---	
Determination.....		16361	D 297-76	23
Identification.....		16011	D 297-76	9
Width:				
Cellular Rubber.....		12021	D 1056-73	14
Narrow Units.....		2111	---	
Scale or Tape.....		2121	---	

1/The word "None" indicates that the test method has been cancelled because it is no longer referenced in any Federal or Military specification and there is no comparable ASTM test method.



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## SECTION 5

### DEFINITIONS OF TERMS

#### 1. SCOPE

1.1 This section covers the definitions of terms used in the rubber industry.

#### 2. DEFINITIONS

2.1 Definitions for terms used in the rubber industry shall be in accordance with ASTM D 1566-75a, entitled Standard Definitions of Terms Relating to Rubber and Rubber-Like Materials.

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## SECTION 6

### SAMPLING AND ACCEPTANCE PROCEDURES

#### 1. SCOPE

1.1 Scope. This section covers uniform quality assurance provisions for rubber and rubber products and establishes criteria for sampling procedures.

#### 2. DEFINITIONS

2.1 Quality assurance terms and definitions. Definitions for quality assurance terms shall be in accordance with Military Standards MIL-STD-105 and MIL-STD-109.

#### 3. SAMPLING PLANS

3.1 Examination and tests. Sampling plans for examination and tests to determine the acceptance and rejection of rubber products shall be specified in accordance with MIL-STD-105 or ISO Standard 2859 entitled "Sampling Procedures and Tables for Inspection by Attributes."

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