



MANUFACTURERS OF
ELECTRICAL INSULATION MATERIALS
 INSULATING COMPONENTS FOR
POWER SYSTEMS EQUIPMENT

TheGundCompany, Inc
 St. Louis, Missouri—USA
 TEL-314.423.5200
 FAX-314.423.9009

MATERIAL DATA SHEET

Item: Vulcanized Fibre

Description: Vulcanized fibre is a strong material with excellent tear resistance and fine bonding surfaces. It is not corroded by salt water nor does the sun break it down easily. It is, in fact, a good non-toxic electrical insulator. Its dielectric strength and abrasion resistance has been the standard for the industry. Vulcanized fibre is a proven performer in the automotive, electrical, and manufacturing industries. Its multiple characteristics make this product an important part of the transportation, power distribution, electric motor, and generator production industries also. For example, vulcanized fibre can be corrugated to create coolant passages in electric transformers. Its versatility clearly makes it ideal for a multitude of applications.

		English units	SI Units
Availability:	Tubes:	Length: 2' for diameters up to 3/8" 3' for diameters over 3/8"	60.96 cm for diameters up to 9.53 mm 91.44 cm for diameters over 9.53 mm
	Rods:	Length: Up to 6', 1/16" to 7/8" diam.	Up to 183 cm, 1.59 mm to 22.23 mm
Availability:	Sheets:	Thickness: Up to 3.00"	Up to 76.20 mm

Key Characteristics:	Test Method	Units - English (SI)	Typical Values
Standard Colors			Grey, Red, Black
Water Absorption	ASTM D570	%	66
Compressive Strength	ASTM D695	psi (MPa)	35,000 (241.32)
Flexural Strength: MD	ASTM D790	psi (MPa)	27,000 (186.16)
CMD	ASTM D790	psi (MPa)	17,000 (117.21)
Dielectric Strength	ASTM D149	V/mil (kV/mm)	215 (8.39)
Tensile Strength: MD	ASTM D638	psi (MPa)	14,000 (96.53)
CMD	ASTM D638	psi (MPa)	9,500 (65.50)
Arc Resistance	ASTM D495	Seconds	125
Rockwell Hardness		R-Scale	70
Impact Strength: MD	ASTM D256	ft. lbs/in. (J/cm)	1.3 (6939)
CMD	ASTM D256	ft. lbs/in. (J/cm)	1.1 (5872)

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