



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

Commercial Grade Vulcanized Fibre

Item:	Commercial Grade Vulcanized Fibre			
Description:	Commercial Grade Vulcanized Fibre is a proven performer, which possesses good physical and electrical properties. It is often used for its superior arc quenching capability. However, its unique combination of mechanical and electrical properties make it suitable for a wide range of applications.			
Availability:			English Units (in)	SI Units (mm/cm)
	Sheets:	Thickness:	Up to 3"	Up to 76 mm
	Tubes:	Length:	2' for diameters up to 3/8" 3' for diameters over 3/8"	61 cm for diameters up to 9.5 mm 91 cm for diameters over 9.5 mm
	Rods:	Length:	Up to 6', 1/16" to 7/8" diam	Up to 183 cm, 1.6 mm to 22.23 mm
	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers.		

Key Characteristics	Test Method	Units - English (SI)	Typical Values	
Standard Color	--	--	Grey, Black, Red	
Water Absorption (.125")	ASTM D-710	% / 2hrs.	< 52	
		% / 24hrs.	< 66	
Flexural Strength	MD	ASTM D-710	ksi	>17.0
	CMD	ASTM D-710	ksi	>13.0
Chemical Properties	Zinc Chloride	ASTM D-710	%	0.1 (All Colors)
	Ash	ASTM D-710	%	1.5 (Grey, Black) 7 (Red)
	Silica Content	ASTM D-710	%	0.3 (All Colors)
Bursting Strength	ASTM D-710	psi (Mpa)	>750 (> 5.2)	
Density	Uncalendared	ASTM D-710	g /cc	1.15
	Calendared	ASTM D-710	g /cc	1.20
Maximum Operating Temperature	--	°C	110 - 120	
Impact Strength (Rod, Edgewise, Notched)	MD	ASTM D-710	ft.lbs./in. (J/m)	>1.6 (>85}
	CMD	ASTM D-710	ft.lbs./in. (J/m)	>1.2 (>64)
Tensile Strength (Rod, 1/4" Diameter)	ASTM D-638	psi	>8,000	
Compressive Strength (Tube, 1/8" Wall)	ASTM D-695	ksi	>12.0	
Dielectric Strength (Tube, 1/16" Wall)	ASTM D-149	V/mil	>150	

Data supplied above are typical values and are not to be considered specification values. All of the information, suggestions and recommendations pertaining to the properties and uses of the products herein are based upon tests and data believed to be accurate; however, the final determination regarding suitability of any material described herein for the contemplated application, the manner of such use, and whether the use infringes any patents is the sole responsibility of the user. There is no warranty, expressed or implied, including, without limitation warranty of merchantability or fitness for a particular purpose. Under no circumstances shall we be liable for incidental or consequential loss or damage.