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		--	ºC	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