



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

F2038 Epoxy Filament Wound Tube for High-temperature Application

Item:	F2038 Epoxy Fiberglass Filament Wound Tube for High-Temperature Application	
Description:	Tubes are wound from epoxy resin-impregnated glass filament, typically 450 yards or 675 yards per lb. The final weight of Glass to Epoxy is about 3 to 1.	
Availability:	Fabricated Parts:	The Gund Company custom fabricates insulation materials to the exact specifications and drawings specified by our customers. Customized tube exact properties are also available on request.

Key Characteristics	Test Method	Units	Typical Values
Color	--	--	Natural - Brown
Flammability Rating	UL 94	--	HB
Compressive Strength	ASTM D348	PSI	20,000
Shear Strength	ASTM D5448	PSI	7,000
Barcol Hardness	ASTM D2583	--	50
Tensile Strength (1/16" Thickness)	ASTM D348	PSI	20,000
Hoop Strength	ASTM D2290	PSI	20,000
Density	ASTM D348	gm/cc	1.8
Water Absorption	ASTM D348	2 Hours	<0.2%
		24 Hours	<0.2%
Glass Transition Temperature, Tg	ASTM D3418	°C	180
Dry Arc Resistance	ASTM D495	Seconds	>120
Dielectric Strength, Perpendicular 3/16" wall	ASTM D348 short time	Volts/mil	250-300
Dielectric Strength, Perpendicular 1/16" wall	ASTM D348 short time	Volts/mil	500
Parallel Dielectric Strength	ASTM D348 short time	Volts/mil	250-300
Dielectric Constant	ASTM D150	60 Hz, 10kV	5

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.