



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS

G-FRAC™ G2039 High Temperature Epoxy Glass Filament Wound Tube



Item:	G-FRAC™ G2039 High Temperature Epoxy Glass Filament Wound Tube		
Description:	G-FRAC™ G2039 epoxy glass tubes are wound from high-temperature-resistant epoxy-coated glass filament strands. The G-FRAC™ G2039 tube formulation has enhanced inter-laminar shear strength and excellent compressive strength retention at temperatures exceeding 350°F. Common applications include demanding high temperature and high mechanical strength performance in heavy wall construction for hydraulic fracturing and rubber over-molded fuses.		
Availability:	Sizes:	Inner Diameter: from .250" - 6.00"	Wall Thickness: from 0.062" to 2.00"
	Fabricated Parts:	The Gund Company fabricates materials and components to the exact specifications and drawings of our customers. Customized tube properties according to filament wind angle are available upon request.	

Key Characteristics	Test Method	Units	Typical Values
Standard Wind Angle	--	--	45 +/- 5°*
Color	--	--	Black
Flammability Rating	UL 94	--	HB
Compressive Strength	ASTM D348	psi	30,000
Interlaminar Shear	Modified ASTM D732	psi	2,800 (350°F)
			4,000 / 5,000**
Barcol Hardness	ASTM D2583	---	>55
Tensile Strength	ASTM D348	psi	30,000
Density	ASTM D348	gm/cc	1.8 - 2.0
Water Absorption	ASTM D348	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

* Depending on the application

** G2039 HS version for high-shear strength

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.