



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS



G-FRAC™ G1050 High Temperature Epoxy Glass Filament Wound Tube

Item:	G-FRAC™ G1050 High Temperature Epoxy Glass Filament Wound Tube	
Description:	G-FRAC™ G1050 epoxy glass tubes are wound from high temperature resistant epoxy coated glass filament strands. The G-FRAC™ G1050 tube formulation has enhanced inter-laminar shear strength and excellent compressive strength retention at temperatures up to 170°C. Common applications demanding moderately high temperature and high mechanical strength performance in heavy wall construction for hydraulic fracturing as an economical alternative.	
Availability:	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 - English (SI)	Typical Values
Density	ASTM D348	lb/in ³ (g/cc)	0.068 (1.88)
Standard Wind Angle	--	--	45 +/- 5°*
Color	--	--	Black
Compressive Strength Perpendicular to Laminations	ASTM D695	psi (MPa)	58,000 (400)
Compressive Strength Parallel to Laminations	ASTM D695	psi (MPa)	22,000 (152)
Interlaminar Shear Strength at 23°C	Modified ASTM D732	psi (MPa)	5,400 (37)
Tensile Strength	ASTM D348	psi (MPa)	28,268 (195)
Flexural Strength at 23°C	ASTM D790	psi (MPa)	50,000 (345)
Glass Transition Temperature, T _g	ASTM D3418	°C	170

* Depending on application

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.