



THE GUND COMPANY

MANUFACTURERS & FABRICATORS OF ENGINEERED MATERIAL SOLUTIONS



G-FRAC™ G190 Molded Components

Item:	G-FRAC™ G190 Molded Components	
Description:	<p>G-FRAC™ G190 is a high temperature glass reinforced molding compound designed for downhole applications where components are under high loading and stress at elevated temperatures.</p> <p>G-FRAC™ G190 provides a lower cost option for components under high overall mechanical stress at elevated temperatures in the frac plug system.</p>	
Applications:	Molded 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)	G-FRAC™ G190 BMC Typical Values
Standard Color	--	--	Black
Glass Content	--	%	55%
Density	--	lb/in ³ (g/cc)	0.065 (1.80)
Water Absorption (0.125")	ASTM D570	%	0.20
Tensile Strength	ASTM D638	psi (MPa)	18,000 (124)
Compressive Strength, Flat-Wise	ASTM D695	psi (MPa)	51,800 (350)
Flexural Strength	ASTM D790	psi (MPa)	47,000 (325)
IZOD Impact Strength, Edge-Wise	ASTM D256	ft-lbs/in	25
Shear Strength	ASTM D732	psi (MPa)	23,200 (160)
Temperature of Deflection Under Load	ASTM D648A	°F (°C)	540°F (282°C)

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.