



# THE GUND COMPANY

Manufacturers & fabricators of engineered material solutions

Item:	<b>G-FRAC™</b> G190 Molded Components		
Description:	<p><b>G-FRAC™</b> 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><b>G-FRAC™</b> G190 provides a lower cost option for components with high overall mechanical stress at elevated temperatures in the frac plug system.</p>		
	Molded Parts:	The Gund Company custom molds composite frac plug components to the exact specification and drawings of our customers.	

Key Characteristics	Test Method	Units - English (SI)	<b>G-FRAC™</b> G190 BMC Typical Values
Standard Color	--	--	Black
Glass Content	--	%	55%
Density	--	lb/in <sup>3</sup> (g/cc)	0.065 (1.80)
Water Absorption - 48 Hr	ASTM D-570	%	0.20
Tensile Strength	ASTM D-638	psi (MPa)	18,000 (124)
Compressive Strength, Flat-Wise	ASTM D-695	psi (MPa)	51,800 (350)
Flexural Strength	ASTM D-790	psi (MPa)	47,000 (325)
IZOD Impact Strength, Edge-Wise	ASTM D-256	ft-lbs/in	25
Shear Strength	ASTM D-732	psi (MPa)	23,200 (160)
Temperature of Deflection Under Load	ASTM D648A	°F (°C)	540°F (282°C)

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