

HiFill® PSU GF30

 Techmer Polymer Modifiers - *Polysulfone*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Appearance	• Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.49		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3 to 3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Break)	19000	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	1.20E+6	psi	ASTM D790
Flexural Strength	25000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.5	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	123		ASTM D785
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	360	°F	ASTM D648
CLTE - Flow	1.7E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	430	V/mil	ASTM D149

