

HiFill® PP GB50

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Bead, 50% Filler by Weight
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.33		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.014	in/in	ASTM D955
Water Absorption (24 hr)	0.030	%	ASTM D570
Mechanical			
Tensile Strength (Break)	2700	psi	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength	4300	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.60	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	99		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	250	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	175	°F	ASTM D648
Melting Temperature	338	°F	
CLTE - Flow	3.4E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	500	V/mil	ASTM D149

Notes
¹ Typical properties: these are not to be construed as specifications.
