

HiFill® PA6/6,6 GF33 HS L BK

Techmer Polymer Modifiers - *Polyamide 66/6 Copolymer*

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 33% Filler by Weight
Additive	• Lubricant
Features	• Lubricated
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.25		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.5E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical			
Tensile Strength (Break)	24000	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	1.15E+6	psi	ASTM D790
Flexural Strength	33000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	2.2	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	120		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	430	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	415	°F	ASTM D648
CLTE - Flow	1.6E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
Flammability			
Flame Rating (0.06 in)	HB		UL 94

