

HiFill® PA6 GF5 LE GY88588

 Techmer Polymer Modifiers - *Polyamide 6*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight
Additive	• Lubricant
Features	• Lubricated
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.15		ASTM D792
Water Absorption (24 hr)	1.7	%	ASTM D570
Mechanical			
Tensile Modulus	519000	psi	ASTM D638
Tensile Strength (Yield)	8900	psi	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	506000	psi	ASTM D790
Flexural Strength	17800	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	0.44	ft-lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (264 psi, Unannealed)	146	°F	ASTM D648
Electrical			
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257

Processing Information

	Nominal Value	Unit
Injection		
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	500 to 580	°F
Middle Temperature	500 to 580	°F
Front Temperature	500 to 580	°F
Processing (Melt) Temp	470 to 520	°F
Mold Temperature	150 to 200	°F
Back Pressure	0.00 to 50.0	psi
Screw Speed	30 to 60	rpm

