

HiFill® PA6/6 GF7 IM4 HS LE

 Techmer Polymer Modifiers - *Polyamide 66*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 7.0% Filler by Weight
Additive	• Heat Stabilizer • Impact Modifier
Features	• Heat Stabilized • Impact Modified • Low Extractables
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.16		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	548000	psi	ASTM D638
Tensile Strength (Yield)	12800	psi	ASTM D638
Tensile Strength (Break)	12400	psi	ASTM D638
Tensile Elongation (Break)	6.9	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	1.8	ft-lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	4.0	hr
Rear Temperature	520 to 540	°F
Middle Temperature	520 to 550	°F
Front Temperature	530 to 550	°F
Nozzle Temperature	520 to 540	°F
Processing (Melt) Temp	535 to 570	°F
Mold Temperature	150 to 180	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

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