Monday, May 11, 2026

HiFill® PA12 GF30 HS L BK

Techmer Polymer Modifiers - *Polyamide 12*

Units SI

Action **Legend (Open)**

General Information

General			
Material Status	• Commercial: Active		
Availability	• North America		
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight		
Additive	• Heat Stabilizer	• Lubricant	
Features	• Conductive	• Heat Stabilized	• Lubricated
Appearance	• Black		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	6550	MPa	ASTM D638
Tensile Strength (Yield)	105	MPa	ASTM D638
Tensile Strength (Break)	103	MPa	ASTM D638
Tensile Elongation (Break)	3.8	%	ASTM D638
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	160	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	73.9	°C	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	3.0 to 4.0	hr
Rear Temperature	210 to 238	°C
Middle Temperature	216 to 243	°C
Front Temperature	227 to 249	°C
Nozzle Temperature	232 to 260	°C
Processing (Melt) Temp	216 to 254	°C
Mold Temperature	66 to 107	°C
Injection Rate	Moderate	
Back Pressure	0.345 to 0.689	MPa
Screw Speed	Slow-Moderate	

Notes

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

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