Monday, May 11, 2026

HiFill® PA12 GB43 HS L

Techmer Polymer Modifiers - *Polyamide 12*

Units SI

Action **Legend (Open)**

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Filler / Reinforcement	• Glass Bead, 43% Filler by Weight	
Additive	• Heat Stabilizer	• Lubricant
Features	• Heat Stabilized	• Lubricated
Appearance	• Colors Available	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.48	g/cm³	ASTM D792
Water Absorption (24 hr)	0.12	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	124	MPa	ASTM D638
Tensile Elongation (Break)	1.5	%	ASTM D638
Flexural Modulus	11000	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.18 mm)	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	177	°C	ASTM D648
Deflection Temperature Under Load (1.8 MPa, Unannealed)	166	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	> 1.0E+14	ohms·cm	ASTM D257

Notes

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

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