Monday, May 11, 2026

HiFill® 6-900001 BLACK UV GF15

Techmer Polymer Modifiers - *Polyamide 12*

Units SI

Action **Legend (Open)**

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.10	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	78.6	MPa	ASTM D638
Tensile Elongation (Break)	5600	%	ASTM D638
Flexural Modulus	3240	MPa	ASTM D790
Flexural Strength	119	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (3.18 mm)	140	J/m	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	82	°C
Drying Time	2.0 to 3.0	hr
Rear Temperature	238 to 254	°C
Middle Temperature	243 to 260	°C
Front Temperature	249 to 266	°C
Nozzle Temperature	254 to 271	°C
Processing (Melt) Temp	243 to 274	°C
Mold Temperature	52 to 93	°C
Injection Rate	Slow-Moderate	
Back Pressure	0.00 to 0.345	MPa
Screw Speed	Slow	

Notes

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

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