

**HiFill® PP LGF30 2000 BK 12MM**

 Techmer Polymer Modifiers - *Polypropylene*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Appearance	• Black
Processing Method	• Injection Molding

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.13		ASTM D792
Molding Shrinkage - Flow (0.125 in)	2.0E-3 to 4.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1.10E+6	psi	ASTM D638
Tensile Strength (Yield)	14000	psi	ASTM D638
Tensile Strength (Break)	14000	psi	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	950000	psi	ASTM D790
Flexural Strength	21000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	3.0	ft·lb/in	ASTM D256

**Processing Information**

Injection	Nominal Value	Unit
Drying Temperature	170	°F
Drying Time	2.0 to 3.0	hr
Rear Temperature	450 to 480	°F
Middle Temperature	460 to 490	°F
Front Temperature	470 to 500	°F
Nozzle Temperature	480 to 510	°F
Processing (Melt) Temp	460 to 515	°F
Mold Temperature	100 to 175	°F
Injection Rate	Moderate	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
