

**HiFill® PP LGF35 2000 12MM**

 Techmer Polymer Modifiers - *Polypropylene*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber
Features	• Chemically Coupled      • Heat Stabilized
Forms	• Pellets <sup>1</sup>
Processing Method	• Injection Molding

**Properties <sup>2</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
<b>Mechanical</b>			
Tensile Strength	16000	psi	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength	25000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	3.9	ft·lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	No Break		ASTM D4812
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	121		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	310	°F	ASTM D648
CLTE - Flow	1.8E-5	in/in/°F	ASTM D696
<b>Electrical</b>			
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+14	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	320	V/mil	ASTM D149
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94

**Notes**
<sup>1</sup> 12mm

<sup>2</sup> Typical properties: these are not to be construed as specifications.
