

HiFill® PP LGF40 2000 12mm

Techmer Polymer Modifiers - *Polypropylene*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber
Features	• Chemically Coupled • Heat Stabilized
Forms	• Pellets ¹
Processing Method	• Injection Molding

Properties ²

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	18500	psi	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	1.00E+6	psi	ASTM D790
Flexural Strength	28000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	310	°F	ASTM D648
CLTE - Flow	1.8E-5	in/in/°F	ASTM D696
Electrical	Nominal Value	Unit	Test Method
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
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

Notes

¹ 12mm

² Typical properties: these are not to be construed as specifications.

