

HiFill® PP LGF40 CC HS BK

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Long Glass Fiber, 40% Filler by Weight
Additive	• Heat Stabilizer
Features	• Chemically Coupled • Heat Stabilized
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.22		ASTM D792
Molding Shrinkage - Flow (0.125 in)	3.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.060	%	ASTM D570
Mechanical			
Tensile Strength (Break)	16500	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	1.10E+6	psi	ASTM D790
Flexural Strength	26000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	3.3	ft-lb/in	ASTM D256
Unnotched Izod Impact (0.125 in)	14	ft-lb/in	ASTM D4812
Hardness			
Rockwell Hardness (R-Scale)	112		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	325	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	310	°F	ASTM D648
Melting Temperature	325	°F	
CLTE - Flow	1.2E-5	in/in/°F	ASTM D696
Electrical			
Volume Resistivity	2.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	510	V/mil	ASTM D149
Flammability			
Flame Rating	HB		UL 94

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