

HiFill® PP GF/M35 CC BK

 Techmer Polymer Modifiers - *Polypropylene*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber\Mineral, 35% Filler by Weight
Features	• Chemically Coupled
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.18		ASTM D792
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical			
Tensile Strength (Break)	7600	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	750000	psi	ASTM D790
Flexural Strength	11900	psi	ASTM D790
Impact			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	290	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	280	°F	ASTM D648
CLTE - Flow	2.1E-5	in/in/°F	ASTM D696
Flammability			
Flame Rating (0.06 in)	HB		UL 94

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