

## HiFill® PP GF/M35 CC BK

Techmer Polymer Modifiers - *Polypropylene*

### 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 <sup>1</sup>

	Nominal Value	Unit	Test Method
<b>Physical</b>			
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
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	1.0	ft-lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	100		ASTM D785
<b>Thermal</b>			
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
<b>Flammability</b>			
Flame Rating (0.06 in)	HB		UL 94

