

# HiFill® PP GF/M30 CC BK

Polypropylene  
Techmer Engineered Solutions

Message:

HiFill® PP GF/M30 CC BK is a Polypropylene product filled with 30% glass\mineral. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Chemically Coupled
- Copolymer

General Information			
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Features	Chemically Coupled		
	Copolymer		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.0	%	ASTM D955
Water Absorption (24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	31.7	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength	53.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-29°C, 3.18 mm	210	J/m	
23°C, 3.18 mm	53	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	138	°C	
1.8 MPa, Unannealed	102	°C	
CLTE - Flow	3.8E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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