

HiFill® PP GF/M35 CC BK

Polypropylene
Techmer Engineered Solutions

Message:

HiFill® PP GF/M35 CC BK is a Polypropylene product filled with 35% glass\mineral. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Chemically Coupled

General Information			
Filler / Reinforcement	Glass\Mineral,35% Filler by Weight		
Features	Chemically Coupled		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.60	%	ASTM D955
Water Absorption (24 hr)	0.020	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	52.4	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Flexural Strength	82.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	143	°C	
1.8 MPa, Unannealed	138	°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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