

HiFill® PA4/6 M/GF20 HS

Polyamide 46
Techmer Engineered Solutions

Message:

HiFill® PA4/6 M/GF20 HS is a Polyamide 46 (Nylon 46) product filled with 20% glass\mineral. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Heat Stabilizer

General Information			
Filler / Reinforcement	Glass\Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.50	%	ASTM D955
Water Absorption (24 hr)	2.6	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	119	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Modulus	5030	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	59	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	285	°C	ASTM D648
CLTE - Flow	7.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+11	ohms · cm	ASTM D257
Dielectric Strength ¹	28	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	HB		UL 94
NOTE			

1. Method A (Short-Time)

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