

HiFill® PA6/6 GF33 UV BK001

Polyamide 66/6 Copolymer
Techmer Engineered Solutions

Message:

HiFill® PA6/6 GF33 UV BK001 is a Polyamide 66/6 Copolymer (Nylon 66/6) product filled with 33% glass fiber. It can be processed by injection molding and is available in North America.
Characteristics include:
Flame Rated
Lubricated

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Additive	Lubricant		
Features	Lubricated		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.20	%	ASTM D955
Water Absorption (24 hr)	0.80	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	179	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	8690	MPa	ASTM D790
Flexural Strength	276	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	232	°C	
1.8 MPa, Unannealed	218	°C	
CLTE - Flow	1.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms · cm	ASTM D257
Dielectric Strength ¹	17	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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Recommended distributors for this material


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