

HiFill® TPX-PAA-05003 FR-NR

Polyamide 66
Techmer Engineered Solutions

Message:
Partially Aromatic Nylon

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Flame Retardant		
Features	Halogen Free		
	Heat Stabilized		
	Lubricated		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.20	%	
Across Flow	0.40	%	
Water Absorption (24 hr)	0.29	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	209	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	18600	MPa	ASTM D790
Flexural Strength	365	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	232	°C	ASTM D648
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹	19	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
NOTE			
1.	Method A (Short-Time)		

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