

HiFill® TPX-HTN-03003 A

Polyamide

Techmer Engineered Solutions

Message:

High Temperature Nylon

General Information			
Filler / Reinforcement	Mineral,40% Filler by Weight		
Features	Heat Stabilized		
	High Temperature Strength		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow : 3.18 mm	0.70	%	
Across Flow	0.70	%	
Water Absorption (24 hr)	0.19	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	89.6	MPa	ASTM D638
Tensile Elongation (Break)	2.8	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Flexural Strength	172	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	48	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	302	°C	ASTM D648
CLTE - Flow	3.4E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.0E+15	ohms · cm	ASTM D257
Dielectric Strength ¹	24	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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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT