

Techmer ES HiFill® TPX-HTN-01036 A 30% Mineral Filled

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Mineral Filler, 30% Filler by Weight Additive: Heat Stabilizer Features: Heat Stabilized and High Temperature Strength UL File Number: E157318 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-TPX-HTN-01036-A-30-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.45 g/cc	0.0524 lb/in ³	ASTM D792
Water Absorption	0.14 %	0.14 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	126	126	ASTM D785
Tensile Strength, Yield	103 MPa	15000 psi	ASTM D638
Elongation at Yield	1.5 %	1.5 %	ASTM D638
Flexural Yield Strength	200 MPa	29000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	43.2 Âµm/m-Â°C	24.0 Âµin/in-Â°F	ASTM D696
Maximum Service Temperature, Air	141 Â°C	285 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	260 Â°C	500 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	159 Â°C	318 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 15 ohm-cm	English 5 ohm-cm	Comments
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

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