

## Techmer ES HiFill® TPX-HTN-02028 A 60% Glass Filled

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Glass Fiber Reinforcement, 60% Filler by Weight  
Additive: Heat Stabilizer  
Features: Heat Stabilized and High Temperature Strength  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-TPX-HTN-02028-A-60-Glass-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-TPX-HTN-02028-A-60-Glass-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.76 g/cc	0.0636 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.17 % @Time 86400 sec	0.17 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	244 MPa	35400 psi	ASTM D638
Elongation at Yield	2.5 %	2.5 %	ASTM D638
Flexural Yield Strength	345 MPa	50000 psi	ASTM D790
Flexural Modulus	19.0 GPa	2750 ksi	ASTM D790
Izod Impact, Notched	1.92 J/cm @Thickness 3.17 mm	3.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	34.2 Åµm/m-Å°C	19.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	288 Å°C	550 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.00e+15 ohm-cm	8.00e+15 ohm-cm	ASTM D257
Dielectric Strength	21.7 kV/mm	550 kV/in	Method A (Short-Time); ASTM D149

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**