

## Techmer ES HiFill FR<sup>®</sup> PP FR-N X BKN001

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Flame Retardant

### Material Notes:

Availability: North America Forms: Pellets Features: Flame Retardant Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-HiFill-FR-PP-FR-N-X-BKN001.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PP-FR-N-X-BKN001.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.040 %	0.040 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.014 cm/cm	0.014 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	ASTM D638
Elongation at Yield	40 %	40 %	ASTM D638
Flexural Modulus	1.34 GPa	195 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	96.1 Å°C	205 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	73.9 Å°C	165 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	17.7 kV/mm	450 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