

Techmer ES HiFill FR[®] PA6/6 FR IM BK

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Impact Grade , Nylon 66, Unreinforced, Flame Retardant

Material Notes:

Availability: North America Forms: Pellets Additive: Impact Modifier Features: Flame Retardant and Impact Modified Appearance:

Black TPCl# 9993101 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PA66-FR-IM-BK.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Water Absorption	1.1 % @Time 86400 sec	1.1 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.013 cm/cm @Thickness 3.17 mm	0.013 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	56.5 MPa	8200 psi	ASTM D790
Flexural Modulus	1.52 GPa	220 ksi	ASTM D790
Izod Impact, Notched	7.47 J/cm @Thickness 3.17 mm	14.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	59.4 Åµm/m-Å°C	33.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	66.7 Å°C	152 Å°F	Unannealed; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D257

Dielectric Strength Electrical Properties	20.9 kV/mm Metric	530 kV/in English	Method A (Short-Time); ASTM D149 Comments
----------------------------------------------	----------------------	----------------------	----------------------------------------------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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