Techmer ES HiFill FRÂ® PBT FR X

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

Availability: North AmericaForms: PelletsAdditive: Mold ReleaseFeatures: Flame RetardantProcessing Method: Injection MoldingInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-FR-PBT-FR-X.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/inÂ³	ASTM D792
Water Absorption	0.080 % @Time 86400 sec	0.080 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.025 cm/cm @Thickness 3.17 mm	0.025 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	56.5 MPa	8200 psi	ASTM D638
Elongation at Yield	75 %	75 %	ASTM D638
Flexural Yield Strength	101 MPa	14700 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.17 mm	0.700 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	72.0 Âµm/m-Â°C	40.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	71.1 Â°C	160 Â°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
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ASTM D257

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.7 kV/mm	500 V/mil	Method A (Short-Time); ASTM D149

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