

Techmer ES Luriblend® PBT GB30 TL15 30% Glass Bead Filled

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Bead Filled , Polybutylene Terephthalate (PBT), PTFE Filled

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Bead, 30% Filler by WeightAdditive: PTFE LubricantFeatures: LubricatedInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PBT-GB30-TL15-30-Glass-Bead-Filled.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ASTM D792
Water Absorption	0.050 %	0.050 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.016 cm/cm	0.016 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	47.6 MPa	6900 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	81.4 MPa	11800 psi	ASTM D790
Flexural Modulus	4.00 GPa	580 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	32.4 Åµm/m-Å°C	18.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	133 Å°C	271 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+16 ohm-cm	3.00e+16 ohm-cm	ASTM D257
Dielectric Strength	16.1 kV/mm	410 kV/in	Method A (Short-Time); ASTM D149

Electrical Properties	Metric	English	Comments
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