

Techmer ES Luriblend® PA6/6 GF33 TL10 HS 33% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled , Nylon 66, Heat Stabilized , Nylon 66, PTFE Filled

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Glass Fiber, 33% Filler by WeightAdditive: Heat Stabilizer and PTFE

Lubricant(10%)Features: Lubricated, Good Wear Resistance, Heat Stabilized and Low Friction Appearance: BlackInformation provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF33-TL10-HS-33-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.50 % @Time 86400 sec	0.50 % @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
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	170 MPa	24600 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	238 MPa	34500 psi	ASTM D790
Flexural Modulus	8.96 GPa	1300 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	18.0 Åµm/m-Å°C	10.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	252 Å°C	485 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	238 Å°C	460 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Volume Resistivity Electrical Properties	1.00e+15 ohm-cm Metric	1.00e+15 ohm-cm English	ASTM D257 Comments
Dielectric Strength	21.7 kV/mm	550 kV/in	Method A (Short-Time); ASTM D149

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