

Techmer ES Luriblend® PA6/6 GF40 TL10 40% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled , Nylon 66, Heat Stabilized , Nylon 66, PTFE Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber, 40% Filler by Weight
Additive: Heat Stabilizer and PTFE Lubricant(10%)
Features: Lubricated and Heat Stabilized
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF40-TL10-40-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ASTM D792
Water Absorption	0.60 % @Time 86400 sec	0.60 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	181 MPa	26200 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Strength	303 MPa	44000 psi	ASTM D790
Flexural Modulus	10.3 GPa	1500 ksi	ASTM D790
Izod Impact, Notched	1.44 J/cm @Thickness 3.17 mm	2.70 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	12.8 J/cm @Thickness 3.17 mm	24.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	19.8 Åµm/m-Å°C	11.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	259 Å°C	499 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	255 Å°C	491 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	19.7 kV/mm	500 kV/in	Method A (Short-Time); ASTM D149

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