

Techmer ES Luriblend® PA6/6 GF10 M/TL10 10% Glass Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 10% Glass Fiber Filled , Nylon 66, PTFE Filled

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Fiber, 10% Filler by Weight Additive: Molybdenum Disulfide Lubricant and PTFE Lubricant Features: Lubricated Appearance: Natural Color Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-GF10-MTL10-10-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption	0.75 % @Time 86400 sec	0.75 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0070 cm/cm @Thickness 3.17 mm	0.0070 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	117	117	ASTM D785
Tensile Strength, Yield	77.2 MPa	11200 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	3.52 GPa	510 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Coefficient of Friction, Dynamic	0.26	0.26	ASTM D1894
Coefficient of Friction, Static	0.21	0.21	ASTM D1894
K (wear) Factor	26.2 x 10 ⁻⁸ mm ³ /N-M	13.0 x 10 ⁻¹⁰ in ³ -min/ft-lb-hr	
Limiting Pressure Velocity	0.333 MPa-m/sec	9500 psi-ft/min	10 fpm
	0.333 MPa-m/sec	9500 psi-ft/min	1000 fpm
	0.350 MPa-m/sec	10000 psi-ft/min	100 fpm

Thermal Properties	Metric	English	Comments
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CTE, linear, Parallel to Flow Thermal Properties	54.0 Âµm/m-Â°C Metric	30.0 Âµin/in-Â°F English	ASTM D696 Comments
Deflection Temperature at 1.8 MPa (264 psi)	232 Â°C	450 Â°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+14 ohm-cm	3.00e+14 ohm-cm	ASTM D257
Dielectric Strength	19.3 kV/mm	490 kV/in	Method A (Short-Time); ASTM D149

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