

Techmer ES Luriblend® PA6/6 AF Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Aramid Fiber Filled , Nylon 66, Heat Stabilized

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Aramid Fiber Additive: Heat Stabilizer and Lubricant Features: Lubricated, Good Wear Resistance, Low Friction 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-AF-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Water Absorption	1.0 % @Time 86400 sec	1.0 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0090 cm/cm @Thickness 3.17 mm	0.0090 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	153 MPa	22200 psi	ASTM D790
Flexural Modulus	3.79 GPa	550 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm @Thickness 3.17 mm	1.20 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	63.0 Åµm/m-Å°C	35.0 Åµin/in-Å°F	ASTM D696
Melting Point	259 Å°C	499 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	232 Å°C	450 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	177 Å°C	350 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 17 ohm-cm	English 7 ohm-cm	Comments
Dielectric Strength	19.7 kV/mm	500 kV/in	Method A (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

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