

Techmer ES Luriblend® PA6/6 AF10 Nylon 66

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

Material Notes:

Availability: North AmericaForms: PelletsFiller/Reinforcement: Aramid Fiber, 10% Filler by WeightAdditive: LubricantFeatures: Lubricated, Good Wear Resistance and Low FrictionInformation provided by TP Composites, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-AF10-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	ASTM D792
Water Absorption	0.85 %	0.85 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	91.7 MPa	13300 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	3.52 GPa	510 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	66.6 Åµm/m-Å°C	37.0 Åµin/in-Å°F	ASTM D696
Melting Point	255 Å°C	491 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

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

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