

Techmer ES Luriblend[®] PA6/6 TL20 Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, PTFE Filled

Material Notes:

Availability: North America Forms: Pellets Additive: PTFE Lubricant(20%) Features: Lubricated, Low Friction and Good Wear Resistance UL

File Number: E157318TPCI# 9740101 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA66-TL20-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Water Absorption	1.0 % @Time 86400 sec	1.0 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.015 cm/cm @Thickness 3.17 mm	0.015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	62.1 MPa	9000 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.62 GPa	380 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.17 mm	0.700 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	82.8 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	46.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	104 $\text{Å}^\circ\text{C}$	220 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	18.9 kV/mm	480 kV/in	Method A (Short-Time); ASTM D149

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