

Techmer ES Luriblend® HTN 01400 BK

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

Material Notes:

Availability: North America
 Forms: Pellets
 Additive: Heat Stabilizer and Lubricant
 Features: Heat Stabilized, High Heat Resistance and Lubricated
 Appearance: Black
 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-HTN-01400-BK.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ASTM D792
Water Absorption	0.27 % @Time 86400 sec	0.27 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0050 cm/cm @Thickness 3.17 mm	0.0050 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	186 MPa	27000 psi	ASTM D638
Elongation at Break	2.5 %	2.5 %	ASTM D638
Flexural Strength	269 MPa	39000 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	0.854 J/cm @Thickness 3.17 mm	1.60 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	21.6 µm/m-°C	12.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	301 °C	574 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	20.5 kV/mm	520 kV/in	Method A (Short-Time); ASTM D149

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