

Techmer ES Luriblend® HTN 01410 BK

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

Material Notes:

Availability: North America Forms: Pellets Additive: Graphite Powder Lubricant and Molybdenum Disulfide Lubricant Features: Good Wear Resistance, Low Friction, 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-01410-BK.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792
Water Absorption	0.27 % @Time 86400 sec	0.27 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0080 cm/cm @Thickness 3.17 mm	0.0080 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	116	116	ASTM D785
Tensile Strength, Yield	89.6 MPa	13000 psi	ASTM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Flexural Strength	124 MPa	18000 psi	ASTM D790
Flexural Modulus	3.10 GPa	450 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	46.8 µm/m-°C	26.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	148 °C	298 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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