

**Techmer ES Luriblend<sup>®</sup> HTN 01420 BK**

Category : Polymer , Thermoplastic , Nylon , High Temperature Nylon

**Material Notes:**

Availability: North America Forms: Pellets Additive: 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-01420-BK.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-HTN-01420-BK.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	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	91.0 MPa	13200 psi	ASTM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Flexural Yield 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 Åµm/m-Å°C	26.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	148 Å°C	298 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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