

## Techmer ES Luriblend® PA4/6 HS L BK

Category : Polymer , Thermoplastic , Nylon , Nylon 46

### Material Notes:

Availability: North America Forms: Pellets Additive: Heat Stabilizer and Lubricant Features: Heat Stabilized and Lubricated UL File Number: E157318 Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA46-HS-L-BK.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA46-HS-L-BK.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ASTM D792
Water Absorption	2.3 % @Time 86400 sec	2.3 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	100 MPa	14500 psi	ASTM D638
Elongation at Yield	40 %	40 %	ASTM D638
Flexural Yield Strength	103 MPa	15000 psi	ASTM D790
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.747 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	1.40 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	0.801 J/cm @Thickness 3.17 mm, Temperature 72.8 °C	1.50 ft-lb/in @Thickness 0.125 in, Temperature 163 °F	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	221 °C	430 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	21.7 kV/mm	550 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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