

## Techmer ES Luriblend® PA6 E M/SL4 MB

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

### Material Notes:

Availability: North America Forms: Pellets Additive: Molybdenum Disulfide Lubricant and Silicone Lubricant Features: Low Friction, Good Wear 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-PA6-E-MSL4-MB.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA6-E-MSL4-MB.php)

Physical Properties	Metric	English	Comments
Density	1.16 g/cc	0.0419 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.6 % @Time 86400 sec	1.6 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.012 cm/cm @Thickness 3.17 mm	0.012 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength, Yield	79.3 MPa	11500 psi	ASTM D638
Elongation at Break	70 %	70 %	ASTM D638
Tensile Modulus	3.00 GPa	435 ksi	ASTM D638
Flexural Strength	108 MPa	15700 psi	ASTM D790
Flexural Modulus	2.83 GPa	410 ksi	ASTM D790
Compressive Strength	96.5 MPa	14000 psi	ASTM D695
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	82.8 Åµm/m-Å°C	46.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	178 Å°C	352 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	65.0 Å°C	149 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 15 ohm-cm	English 5 ohm-cm	Comments
Dielectric Strength	18.1 kV/mm	460 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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