

## Techmer ES Luriblend® TPX-PA6-95002

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

### Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant Features: Lubricated Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-TPX-PA6-95002.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-TPX-PA6-95002.php)

Physical Properties	Metric	English	Comments
Density	1.01 g/cc	0.0365 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.70 %	0.70 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0019 cm/cm	0.0019 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	78	78	ASTM D785
Tensile Strength	47.6 MPa	6900 psi	ASTM D638
Elongation at Yield	19 %	19 %	ASTM D638
Flexural Yield Strength	76.5 MPa	11100 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm	1.30 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	10.1 J/cm	19.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	97.2 Åµm/m-Å°C	54.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	143 Å°C	290 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	71.1 Å°C	160 Å°F	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257

Electrical Properties	Metric /mm	English in	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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