

## Techmer ES Luriblend® PA4/6 CF30 TL15 30% Carbon Filled

Category : Polymer , Thermoplastic , Nylon , Nylon 46

### Material Notes:

Availability: North America  
Forms: Pellets  
Filler/Reinforcement: Carbon Fiber, 30% Filler by Weight  
Additive: PTFE Lubricant(15%)  
Features: Lubricated, Good Wear Resistance and Low Friction  
Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA46-CF30-TL15-30-Carbon-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA46-CF30-TL15-30-Carbon-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in <sup>3</sup>	ASTM D792
Water Absorption	2.0 % @Time 86400 sec	2.0 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0040 - 0.0070 cm/cm	0.0040 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	186 MPa	27000 psi	ASTM D638
Elongation at Break	2.6 %	2.6 %	ASTM D638
Flexural Strength	283 MPa	41000 psi	ASTM D790
Flexural Modulus	16.5 GPa	2400 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	27.0 Åµm/m-Å°C	15.0 Åµin/in-Å°F	ASTM D696
Melting Point	295 Å°C	563 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	293 Å°C	560 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	285 Å°C	545 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	10 ohm-cm	10 ohm-cm	ASTM D257

Electrical Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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