

## Techmer ES Luriblend® PC TL15

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, PTFE Filled

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PC-TL15.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PC-TL15.php)

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.13 %	0.13 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0060 cm/cm	0.0060 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	49.0 MPa	7100 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	1.98 J/cm	3.70 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Izod Impact, Unnotched	10.7 J/cm	20.0 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.2 $\mu\text{m/m}\cdot\text{Å}^\circ\text{C}$	39.0 $\mu\text{in/in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	138 $\text{Å}^\circ\text{C}$	280 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	129 $\text{Å}^\circ\text{C}$	265 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 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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