

## Techmer ES Luriblend<sup>®</sup> PA6/12 05007 Nylon 612

Category : Polymer , Thermoplastic , Nylon , Nylon 612 , Nylon 612, Unreinforced

### Material Notes:

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-PA612-05007-Nylon-612.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA612-05007-Nylon-612.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.25 % @Time 86400 sec	0.25 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.016 cm/cm @Thickness 3.17 mm	0.016 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	60.7 MPa	8800 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	44.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	154 $\text{Å}^\circ\text{C}$	310 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	55.0 $\text{Å}^\circ\text{C}$	131 $\text{Å}^\circ\text{F}$	Unannealed; ASTM D648
Flammability, UL94	V-2	V-2	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

Electrical Properties

Metric 14 ohm

English 4 ohm

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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