

Techmer ES Luriblend® PA4/6 TL15 HS

Category : Polymer , Thermoplastic , Nylon , Nylon 46

Material Notes:

Availability: North America Forms: Pellets Additive: Heat Stabilizer and PTFE Lubricant (15%) Features: Heat Stabilized, Low Friction, Good Wear Resistance and Lubricated Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PA46-TL15-HS.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ASTM D792
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.032 cm/cm @Thickness 3.17 mm	0.032 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	58.6 MPa	8500 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Flexural Strength	62.1 MPa	9000 psi	ASTM D790
Flexural Modulus	1.21 GPa	175 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature -40.0 Â°C	1.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 Â°F	ASTM D256
	2.94 J/cm @Thickness 3.17 mm, Temperature 22.8 Â°C	5.50 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Â°F	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.17 mm	NB @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	79.2 Âµm/m-Â°C	44.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	221 Â°C	430 Â°F	Unannealed; ASTM D648

Deflection Temperature at 1.8 MPa (100 psi)	150 °C	300 °F	1; ASTM D648
--	--------	--------	--------------

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	21.7 kV/mm	550 kV/in	Method A (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China