

Techmer ES Luriblend® PE 5903

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Availability: North America Forms: Pellets Additive: Lubricant Features: Lubricated, Good Wear Resistance and Low Friction Processing

Method: Injection Molding Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-PE-5903.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	ASTM D792
Water Absorption	0.070 % @Time 86400 sec	0.070 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.030 cm/cm @Thickness 3.17 mm	0.030 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	1.7 g/10 min @Load 3.80 kg, Temperature 190 Â°C	1.7 g/10 min @Load 8.38 lb, Temperature 374 Â°F	ASTM D1238
	24 g/10 min @Load 10.0 kg, Temperature 190 Â°C	24 g/10 min @Load 22.0 lb, Temperature 374 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	214 MPa	31000 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Flexural Strength	41.4 MPa	6000 psi	ASTM D790
Flexural Modulus	0.483 GPa	70.0 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	90.0 Âµm/m-Â°C	50.0 Âµin/in-Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	93.3 Â°C	200 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	54.4 Â°C	130 Â°F	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	19.7 kV/mm	500 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