

Techmer ES Luriblend® ABS TL10

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), 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-ABS-TL10.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955
Melt Flow	4.5 g/10 min @Load 3.80 kg, Temperature 230 °C	4.5 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	103	103	ASTM D785
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Break	3.5 %	3.5 %	ASTM D638
Flexural Strength	62.7 MPa	9100 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm, Temperature -40.0 °C	1.00 ft-lb/in @Thickness 0.125 in, Temperature -40.0 °F	ASTM D256
	1.01 J/cm @Thickness 3.17 mm, Temperature 0.000 °C	1.90 ft-lb/in @Thickness 0.125 in, Temperature 32.0 °F	ASTM D256
	2.14 J/cm @Thickness 3.17 mm, Temperature 22.8 °C	4.00 ft-lb/in @Thickness 0.125 in, Temperature 73.0 °F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	77.8 °C	172 °F	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
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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