

Techmer ES Luriblend® TPU T/AL27 Aramid Fiber Filled

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Aramid Fiber Filled Additive: PTFE Lubricant Features: Lubricated and Good Wear Resistance Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-TPU-TAL27-Aramid-Fiber-Filled.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Water Absorption	0.10 % @Time 86400 sec	0.10 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 cm/cm @Thickness 3.17 mm	0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	48.3 MPa	7000 psi	ASTM D638
Elongation at Yield	100 %	100 %	ASTM D638
Flexural Yield Strength	62.7 MPa	9100 psi	ASTM D790
Flexural Modulus	0.276 GPa	40.0 ksi	ASTM D790
Izod Impact, Notched	2.19 J/cm @Thickness 3.17 mm	4.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	429 °F	

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