

Techmer ES Luriblend® POM CO GF5 TL5 5% Glass Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 10% Glass Fiber Reinforced , Acetal Copolymer, PTFE Filled

Material Notes:

Availability: North America
Forms: Pellets
Filler/Reinforcement: Glass Fiber, 5% Filler by Weight
Additive: PTFE Lubricant(5%)
Features: Lubricated and Copolymer
Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-POM-CO-GF5-TL5-5-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.46 g/cc	0.0527 lb/in ³	ASTM D792
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.014 cm/cm @Thickness 3.17 mm	0.014 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	80	80	ASTM D785
Tensile Strength, Yield	63.4 MPa	9200 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Yield Strength	91.7 MPa	13300 psi	ASTM D790
Flexural Modulus	2.93 GPa	425 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm @Thickness 3.17 mm	1.10 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	66.6 µm/m-°C	37.0 µin/in-°F	ASTM D696
Melting Point	162 °C	324 °F	
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	127 °C	260 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 17 ohm-cm	English 7 ohm-cm	Comments
Dielectric Strength	19.7 kV/mm	500 kV/in	Method A (Short-Time); ASTM D149

Contact Songhan Plastic Technology Co.,Ltd.

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