

Techmer ES Luriblend® POM CO GM30 TL5 30% Glass Milled Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced , Acetal Copolymer, PTFE Filled

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Milled Glass Fiber, 30% 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-GM30-TL5-30-Glass-Milled-Filled.php

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in ³	ASTM D792
Water Absorption	0.30 % @Time 86400 sec	0.30 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	110	110	ASTM D785
Tensile Strength, Yield	44.8 MPa	6500 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	0.374 J/cm @Thickness 3.17 mm	0.700 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	54.0 Åµm/m-Å°C	30.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	149 Å°C	300 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 Å°C	290 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

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