

Techmer ES Luriblend® POM CO TL20 LE Acetal

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, PTFE Filled , Acetal Copolymer, Silicone Filled

Material Notes:

Availability: North America Forms: Pellets Additive: PTFE Lubricant(20%) and Silicone Lubricant Features: Lubricated, Good Wear Resistance, Low Friction, Low Extractables and Copolymer UL File Number: E157318 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-POM-CO-TL20-LE-Acetal.php

Physical Properties	Metric	English	Comments
Density	1.50 g/cc	0.0542 lb/in ³	ASTM D792
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.020 cm/cm @Thickness 3.17 mm	0.020 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D638
Elongation at Break	12 %	12 %	ASTM D638
Flexural Strength	67.6 MPa	9800 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 Åµm/m-Å°C	50.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	166 Å°C	330 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	98.9 Å°C	210 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

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