

## Techmer ES Luriblend® POM CO SL2 MB Acetal

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

### Material Notes:

Availability: North America Forms: Pellets Additive: Silicone Lubricant Features: Lubricated, Good Wear Resistance, Low Friction and Copolymer TPCI# 9809114 Information provided by TP Composites, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Techmer-ES-Luriblend-POM-CO-SL2-MB-Acetal.php](http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-POM-CO-SL2-MB-Acetal.php)

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.17 % @Time 86400 sec	0.17 % @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	82	82	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Elongation at Break	90 %	90 %	ASTM D638
Flexural Strength	84.8 MPa	12300 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 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	128 µm/m-°C	71.0 µin/in-°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Strength	17.7 kV/mm	450 kV/in	Method A (Short-Time); ASTM D149

## **Contact Songhan Plastic Technology Co.,Ltd.**

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