

Techmer ES Luriblend® POM HO TL20 BK Acetal

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, PTFE-Filled

Material Notes:

Availability: North America Forms: Pellets Additive: PTFE Lubricant(20%) Features: Lubricated and Homopolymer Appearance: Black Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-POM-HO-TL20-BK-Acetal.php

Physical Properties	Metric	English	Comments
Density	1.52 g/cc	0.0549 lb/in ³	ASTM D792
Water Absorption	0.15 % @Time 86400 sec	0.15 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength, Yield	48.3 MPa	7000 psi	ASTM D638
Elongation at Yield	5.0 %	5.0 %	ASTM D638
Flexural Yield Strength	75.8 MPa	11000 psi	ASTM D790
Flexural Modulus	2.76 GPa	400 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm @Thickness 3.17 mm	0.800 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	2.40 J/cm @Thickness 3.17 mm	4.50 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	99.0 µm/m-°C	55.0 µin/in-°F	ASTM D696
Melting Point	162 °C	324 °F	
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	102 °C	215 °F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric 15 ohm-cm	English 5 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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