

Techmer ES Luriblend® POM CO CF10 TL10 BK 10% Carbon Filled

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

Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Carbon Fiber, 10% Filler by Weight Additive: PTFE Lubricant(10%) Features: Lubricated and Copolymer UL File: E157318 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-Luriblend-POM-CO-CF10-TL10-BK-10-Carbon-Filled.php

Physical Properties	Metric	English	Comments
Density	1.48 g/cc	0.0535 lb/in ³	ASTM D792
Water Absorption	0.20 % @Time 86400 sec	0.20 % @Time 24.0 hour	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Yield	75.8 MPa	11000 psi	ASTM D638
Elongation at Yield	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	6.89 GPa	1000 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm @Thickness 3.17 mm	0.900 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	46.8 Åµm/m-Å°C	26.0 Åµin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	154 Å°C	310 Å°F	Unannealed; ASTM D648

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