

Techmer ES HiFill® POM CO GF20 UV BK 20% Glass Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer , 20% Glass Fiber Reinforced

Material Notes:

Availability: North America
 Forms: Pellets
 Filler/Reinforcement: Glass Fiber Reinforced, 20% Filler by Weight
 Additive: UV Stabilizer
 Features: Copolymer and Chemically Coupled
 Appearance: Black
 Information provided by TP Composites, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-POM-CO-GF20-UV-BK-20-Glass-Filled.php

Physical Properties	Metric	English	Comments
Density	1.53 g/cc	0.0553 lb/in ³	ASTM D792
Water Absorption	0.50 % @Time 86400 sec	0.50 % @Time 24.0 hour	ASTM D570
Linear Mold Shrinkage, Flow	0.0080 cm/cm @Thickness 3.17 mm	0.0080 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength, Yield	110 MPa	16000 psi	ASTM D638
Elongation at Break	2.0 %	2.0 %	ASTM D638
Flexural Yield Strength	165 MPa	24000 psi	ASTM D790
Flexural Modulus	6.55 GPa	950 ksi	ASTM D790
Izod Impact, Notched	0.694 J/cm @Thickness 3.17 mm	1.30 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	39.6 Åm/m-Å°C	22.0 Åin/in-Å°F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	160 Å°C	320 Å°F	Unannealed; ASTM D648
Flammability, UL94	HB	HB	

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