

## Techmer ES HiFill® POM CO GF/M30 UV BK 30% Glass Milled/Glass Fiber Filled

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

### Material Notes:

Availability: North America Forms: Pellets Filler/Reinforcement: Glass Milled/Glass Fiber, 30% 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-GFM30-UV-BK-30-Glass-MilledGlass-Fiber-Filled.php](http://www.lookpolymers.com/polymer_Techmer-ES-HiFill-POM-CO-GFM30-UV-BK-30-Glass-MilledGlass-Fiber-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.63 g/cc	0.0589 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.25 %	0.25 %	ASTM D570
	@Time 86400 sec	@Time 24.0 hour	
Linear Mold Shrinkage, Flow	0.0040 cm/cm	0.0040 in/in	ASTM D955
	@Thickness 3.17 mm	@Thickness 0.125 in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Tensile Strength, Yield	96.5 MPa	14000 psi	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	152 MPa	22100 psi	ASTM D790
Flexural Modulus	8.27 GPa	1200 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	37.8 Åµm/m-Å°C	21.0 Åµin/in-Å°F	ASTM D696
Melting Point	165 Å°C	329 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	163 Å°C	325 Å°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	166 Å°C	330 Å°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	19.7 kV/mm	500 kV/in	Method A (Short-Time); ASTM D149

## Contact Songhan Plastic Technology Co.,Ltd.

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