

## PolyOne Edgetek® ES-40GF/000 Polyethersulfone - 40% Glass Fiber Reinforced (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone (PES), 40%Glass Fiber Filled

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-ES-40GF000-Polyethersulfone-40-Glass-Fiber-Reinforced-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ES-40GF000-Polyethersulfone-40-Glass-Fiber-Reinforced-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0015 cm/cm @Thickness 3.17 mm	0.0015 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	98	98	ASTM D785
Tensile Strength, Ultimate	152 MPa	22000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Yield Strength	221 MPa	32100 psi	ASTM D790
Flexural Modulus	11.0 GPa	1600 ksi	ASTM D790
Izod Impact, Notched	0.960 J/cm @Thickness 6.35 mm	1.80 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	216 °C	421 °F	ASTM D648

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257

Processing Properties	Metric	English	Comments
Melt Temperature	354 - 382 °C	669 - 720 °F	Stock
Mold Temperature	121 - 149 °C	250 - 300 °F	
Drying Temperature	149 °C	300 °F	

Processing Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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