

## PolyOne Edgetek® ES-15GF/000 RED Polyethersulfone - 15% Glass Fiber Reinforced (discontinued \*\*)

Category : Polymer , Thermoplastic , Polyethersulfone (PES) , Polyethersulfone (PES), 20%Glass Fiber Filled

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Edgetek-ES-15GF000-RED-Polyethersulfone-15-Glass-Fiber-Reinforced-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_PolyOne-Edgetek-ES-15GF000-RED-Polyethersulfone-15-Glass-Fiber-Reinforced-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.47 g/cc	0.0531 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.38 %	0.38 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0040 cm/cm @Thickness 3.17 mm	0.0040 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	93.0 MPa	13500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	4.50 GPa	653 ksi	ASTM D638
Izod Impact, Notched	0.360 J/cm @Thickness 6.35 mm	0.674 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	204 °C	399 °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	93.0 - 121 °C	199 - 250 °F	
Drying Temperature	135 - 149 °C	275 - 300 °F	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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