

## PolyOne Lubri-Tech™ ES-20GF/15T Polyethersulfone - 20% Glass Fiber Reinforced - 15% PTFE Lubricated (disconti

Category : Polymer , Thermoplastic , Polyethersulfone (PES)

### Material Notes:

Data provided by PolyOne.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_PolyOne-Lubri-Tech-ES-20GF15T-Polyethersulfone-20-Glass-Fiber-Reinforced-15-PTFE-Lubricated-nbspdisconti.php](http://www.lookpolymers.com/polymer_PolyOne-Lubri-Tech-ES-20GF15T-Polyethersulfone-20-Glass-Fiber-Reinforced-15-PTFE-Lubricated-nbspdisconti.php)

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.30 %	0.30 %	24 hrs. ASTM D570
Linear Mold Shrinkage	0.0030 cm/cm @Thickness 3.17 mm	0.0030 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	121 MPa	17500 psi	ASTM D638
Elongation at Break	3.0 - 4.0 %	3.0 - 4.0 %	ASTM D638
Tensile Modulus	6.20 GPa	899 ksi	ASTM D638
Flexural Yield Strength	162 MPa	23500 psi	ASTM D790
Flexural Modulus	5.70 GPa	827 ksi	ASTM D790
Compressive Yield Strength	117 MPa	17000 psi	ASTM D695
Izod Impact, Notched	0.850 J/cm @Thickness 6.35 mm	1.59 ft-lb/in @Thickness 0.250 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ASTM D648

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	

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

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