

PolyOne Lubri-Tech™ ES-20GF/08T Polyethersulfone - 20% Glass Fiber And PTFE (discontinued **)

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-20GF08T-Polyethersulfone-20-Glass-Fiber-And-PTFE-nbspdiscontinued.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ASTM D792
Water Absorption	0.20 %	0.20 %	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	2.0 - 4.0 %	2.0 - 4.0 %	ASTM D638
Tensile Modulus	5.50 GPa	798 ksi	ASTM D638
Flexural Yield Strength	165 MPa	23900 psi	ASTM D790
Flexural Modulus	5.50 GPa	798 ksi	ASTM D790
Izod Impact, Notched	0.690 - 0.960 J/cm @Thickness 6.35 mm	1.29 - 1.80 ft-lb/in @Thickness 0.250 in	ASTM D256

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

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