

RTP Company RTP 1402 N Z Polyethersulfone (PES) Glass Fiber 15% - FDA Type - High Viscosity & nbs

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

Material Notes:

Glass Fiber 15% - FDA Type - High ViscosityComments:Glass FiberFDA CompliantHigh ViscosityUnless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.Information provided by RTP Company.Data for this product has not been recently verified, please contact RTP Company for more information before specifying this grade.

Order this product through the following link:

http://www.lookpolymers.com/polymer_RTP-Company-RTP-1402-N-Z-nbspPolyethersulfone-PESnbspGlass-Fiber-15-FDA-Type-High-Viscosity-nbs.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.47 g/cc	1.47 g/cc	ASTM D792
Filler Content	15 %	15 %	
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm @Thickness 3.17 mm	0.0040 - 0.0060 in/in @Thickness 0.125 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	89.6 MPa	13000 psi	ASTM D638
Elongation at Break	3.0 - 5.0 %	3.0 - 5.0 %	ASTM D638
Modulus of Elasticity	4.83 GPa	700 ksi	ASTM D638
Flexural Yield Strength	138 MPa	20000 psi	ASTM D790
Flexural Modulus	4.83 GPa	700 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm @Thickness 3.17 mm	1.00 ft-lb/in @Thickness 0.125 in	ASTM D256
Izod Impact, Unnotched	5.34 J/cm @Thickness 3.17 mm	10.0 ft-lb/in @Thickness 0.125 in	ASTM D256

Processing Properties	Metric	English	Comments
Processing Temperature	343 - 366 °C	650 - 690 °F	
Mold Temperature	135 - 177 °C	275 - 350 °F	
Injection Pressure	68.9 - 103 MPa	10000 - 15000 psi	

Descriptive Properties	Value	Comments
Color	Natural/Black	

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