

Shinkong Synthetic Fibers Shinite® D202 PBT, Fire Retardant

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant

Material Notes:

Information from Shinkong Synthetic Fibers Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shinkong-Synthetic-Fibers-Shinite-D202-PBT-Fire-Retardant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	ASTM D792
Water Absorption	0.080 %	0.080 %	ASTM D570
Linear Mold Shrinkage, Flow	0.0060 - 0.019 cm/cm	0.0060 - 0.019 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0060 - 0.019 cm/cm	0.0060 - 0.019 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength	58.8 MPa	8530 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Flexural Yield Strength	88.3 MPa	12800 psi	ASTM D790
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.17 mm, Temperature 23.0 Â°C	0.735 ft-lb/in @Thickness 0.125 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	70.0 Â°C	158 Â°F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Dielectric Constant	3.0	3.0	ASTM D150
Dielectric Strength	15.0 kV/mm	381 kV/in	ASTM D149

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