

Polyplastics FR-PET® BN9015 Glass Fiber Reinforced Polyethylene Terephthalate (GF-PET), Flame retardant, General purpose

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), Glass/Mineral Reinforced

Material Notes:

Information provided by PolyPlastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastics-FR-PET-BN9015-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Flame-retardant-General-purpose.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	105 MPa	15200 psi	ISO 527-1, 2
Elongation at Break	2.2 %	2.2 %	ISO 527-1, 2
Flexural Strength	163 MPa	23600 psi	ISO 178
Flexural Modulus	6.40 GPa	928 ksi	ISO 178
Charpy Impact, Notched	0.610 J/cm ²	2.90 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	224 °C	435 °F	ISO 75-1, 2
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
Surface Resistance	1.00e+17 ohm	1.00e+17 ohm	IEC 60093
Dielectric Strength	22.0 kV/mm	559 kV/in	IEC 60243-1
Comparative Tracking Index	250 V	250 V	IEC 60112

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