

Polyplastics FR-PET® BN3030SD 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-BN3030SD-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Flame-retardant-General-purpose.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	126 MPa	18300 psi	ISO 527-1, 2
Elongation at Break	1.7 %	1.7 %	ISO 527-1, 2
Flexural Strength	215 MPa	31200 psi	ISO 178
Flexural Modulus	9.20 GPa	1330 ksi	ISO 178
Charpy Impact, Notched	0.730 J/cm ²	3.47 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	228 °C	442 °F	ISO 75-1, 2
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+16 ohm-cm	7.00e+16 ohm-cm	IEC 60093
Surface Resistance	7.00e+16 ohm	7.00e+16 ohm	IEC 60093
Dielectric Strength	18.0 kV/mm	457 kV/in	IEC 60243-1
Comparative Tracking Index	200 V	200 V	IEC 60112

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