

Polyplastics FR-PET® B3045FA Glass Fiber Reinforced Polyethylene Terephthalate (GF-PET), Slow burning, 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-B3045FA-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Slow-burning-General-purpose.php

Physical Properties	Metric	English	Comments
Density	1.70 g/cc	0.0614 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	152 MPa	22000 psi	ISO 527-1, 2
Elongation at Break	1.4 %	1.4 %	ISO 527-1, 2
Flexural Strength	265 MPa	38400 psi	ISO 178
Flexural Modulus	15.5 GPa	2250 ksi	ISO 178
Charpy Impact, Notched	0.770 J/cm ²	3.66 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	242 °C	468 °F	ISO 75-1, 2
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
Surface Resistance	5.00e+16 ohm	5.00e+16 ohm	IEC 60093
Dielectric Strength	19.0 kV/mm	483 kV/in	IEC 60243-1
Comparative Tracking Index	200 V	200 V	IEC 60112

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