

Polyplastics FR-PET® B9030 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-B9030-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Slow-burning-General-purpose.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	134 MPa	19400 psi	ISO 527-1, 2
Elongation at Break	2.0 %	2.0 %	ISO 527-1, 2
Flexural Strength	203 MPa	29400 psi	ISO 178
Flexural Modulus	9.30 GPa	1350 ksi	ISO 178
Charpy Impact, Notched	0.860 J/cm ²	4.09 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	234 °C	453 °F	ISO 75-1, 2
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	IEC 60093
Surface Resistance	3.00e+16 ohm	3.00e+16 ohm	IEC 60093
Dielectric Strength	23.0 kV/mm	584 kV/in	IEC 60243-1
Comparative Tracking Index	250 V	250 V	IEC 60112

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