

Polyplastics FR-PET® BLR6001MZ Glass Fiber Reinforced Polyethylene Terephthalate (GF-PET)

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-BLR6001MZ-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET.php

Physical Properties	Metric	English	Comments
Density	1.60 g/cc	0.0578 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	90.0 MPa	13100 psi	ISO 527-1, 2
Elongation at Break	1.6 %	1.6 %	ISO 527-1, 2
Flexural Strength	143 MPa	20700 psi	ISO 178
Flexural Modulus	7.50 GPa	1090 ksi	ISO 178
Charpy Impact, Notched	0.320 J/cm ²	1.52 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	219 °C	426 °F	ISO 75-1, 2
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+16 ohm-cm	2.00e+16 ohm-cm	IEC 60093
Surface Resistance	1.00e+17 ohm	1.00e+17 ohm	IEC 60093
Dielectric Strength	21.0 kV/mm	533 kV/in	IEC 60243-1
Comparative Tracking Index	225 V	225 V	IEC 60112

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