

Polyplastics FR-PET® CN9030 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-CN9030-Glass-Fiber-Reinforced-Polyethylene-Terephthalate-GF-PET-Flame-retardant-General-purpose.php

Physical Properties	Metric	English	Comments
Density	1.66 g/cc	0.0600 lb/in ³	ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	130 MPa	18900 psi	ISO 527-1, 2
Elongation at Break	1.9 %	1.9 %	ISO 527-1, 2
Flexural Strength	210 MPa	30500 psi	ISO 178
Flexural Modulus	10.1 GPa	1460 ksi	ISO 178
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	227 °C	441 °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	5.00e+16 ohm	5.00e+16 ohm	IEC 60093
Dielectric Strength	20.0 kV/mm	508 kV/in	IEC 60243-1
Comparative Tracking Index	250 V	250 V	IEC 60112

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