

Barlog Plastics KEBATER BFB30 PBT, 30% glass fiber reinforced, flame retardant, halogen free

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

PBT-GF30 FR Information provided by BARLOG plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBATER-BFB30-PBT-30-glass-fiber-reinforced-flame-retardant-halogen-free.php

Physical Properties	Metric	English	Comments
Density	1.54 g/cc	0.0556 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.20 %	0.20 %	similar to ISO 62 test

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	ISO 527-1
Elongation at Break	3.0 %	3.0 %	ISO 527-1
Tensile Modulus	9.50 GPa	1380 ksi	ISO 527-1

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	210 °C	410 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	195 °C	383 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+17 ohm-cm	1.00e+17 ohm-cm	IEC 60093
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	IEC 60093

Descriptive Properties	Value	Comments
Resin Type	PBT-GF30 FR	

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