

Barlog Plastics KEBAFLOW HF140 LCP, 40% glass fiber reinforced

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP) , Liquid Crystal Polymer (LCP), 40% Glass Fiber Filled

Material Notes:

LCP-GF40 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBAFLOW-HF140-LCP-40-glass-fiber-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.68 g/cc	0.0607 lb/in ³	ISO 1183
Water Absorption	0.020 %	0.020 %	similar to ISO 62 test
Linear Mold Shrinkage, Flow	0.0018 cm/cm	0.0018 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0050 cm/cm	0.0050 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527-1
Elongation at Break	1.5 %	1.5 %	ISO 527-1
Tensile Modulus	15.0 GPa	2180 ksi	ISO 527-1

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	308 °C	586 °F	ISO 75-1/-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	UL Registered; IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

Descriptive Properties	Value	Comments
Resin Type	LCP-GF40	

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