

**Barlog Plastics KEBAFLOW MX130 LCP, 30% glass fiber / mineral reinforced**

Category : Polymer , Thermoplastic , Liquid Crystal Polymer (LCP)

**Material Notes:**

LCP-GF/MD 30 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Barlog-Plastics-KEBAFLOW-MX130-LCP-30-glass-fiber-mineral-reinforced.php](http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBAFLOW-MX130-LCP-30-glass-fiber-mineral-reinforced.php)

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in <sup>3</sup>	ISO 1183
Water Absorption	0.030 %	0.030 %	similar to ISO 62 test
Linear Mold Shrinkage, Flow	0.0015 cm/cm	0.0015 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0042 cm/cm	0.0042 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	125 MPa	18100 psi	ISO 527-1
Elongation at Break	2.3 %	2.3 %	ISO 527-1
Tensile Modulus	12.0 GPa	1740 ksi	ISO 527-1

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	268 °C	514 °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-GF/MD 30	

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