

Barlog Plastics KEBAFORM C 906 GB POM Copolymer, 30% glass bead reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Glass Bead Filled

Material Notes:

POM-GB30 Information provided by BARLOG plastics GmbH.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Barlog-Plastics-KEBAFORM-C-906-GB-POM-Copolymer-30-glass-bead-reinforced.php

Physical Properties	Metric	English	Comments
Density	1.59 g/cc	0.0574 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	0.16 %	0.16 %	similar to ISO 62 test
Linear Mold Shrinkage, Flow	0.017 cm/cm	0.017 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	ISO 294-4
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 190 °C	22 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	43.0 MPa	6240 psi	ISO 527-1
Elongation at Break	5.0 %	5.0 %	ISO 527-1
Tensile Modulus	3.80 GPa	551 ksi	ISO 527-1
Charpy Impact Unnotched	3.50 J/cm ²	16.7 ft-lb/in ²	ISO 179-1eU
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	ISO 179-1eA

Thermal Properties	Metric	English	Comments
Melting Point	166 °C	331 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	112 °C	234 °F	ISO 75-1/-2
Flammability, UL94	HB	HB	IEC 60695-11-10

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	IEC 60093

Descriptive Properties	Value	Comments
Resin Type	POM-GB30	

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