

Kolon KOCETAL[®] GF305 G/F Reinforced Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 30% Glass Fiber Reinforced

Material Notes:

Glass fiber reinforced, improved stiffness. Applications: Products for high stiffness, improved fatigue properties. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-GF305-GF-Reinforced-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.59 g/cc	1.59 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955
Melt Flow	4.0 - 8.0 g/10 min	4.0 - 8.0 g/10 min	ASTM D1238
Ash	23 - 27 %	23 - 27 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	90	90	ASTM D785
Tensile Strength	98.0 MPa	14200 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Flexural Strength	157 MPa	22800 psi	ASTM D790
Flexural Modulus	6.468 GPa	938.1 ksi	ASTM D790
Izod Impact, Notched	0.440 J/cm	0.824 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	166 Å°C	331 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	165 Å°C	329 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	160 Å°C	320 Å°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257

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