

Kolon KOCETAL® CF702 Conductive Grade Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Carbon Fiber Filled

Material Notes:

Carbon fiber added, high stiffness and conductive grade. Applications: Conductive products. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-CF702-Conductive-Grade-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.22 %	0.22 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	87	87	ASTM D785
Tensile Strength	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	6.60 GPa	957 ksi	ASTM D790
Izod Impact, Notched	0.470 J/cm	0.881 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 Åµm/m-Å°C	33.3 Åµin/in-Å°F	ASTM D696
Melting Point	166 Å°C	331 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	164 Å°C	327 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+6 ohm-cm	1.00e+6 ohm-cm	ASTM D257
Surface Resistance	1.00e+7 ohm	1.00e+7 ohm	ASTM D257

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