

Kolon KOCETAL[®] TC704 Mineral Reinforced Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Mineral Filled

Material Notes:

Whisker reinforced, improved wear and dimensional property. Applications: Dimensionally precise products. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-TC704-Mineral-Reinforced-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.55 g/cc	1.55 g/cc	ASTM D792
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	ASTM D955
Melt Flow	18 - 23 g/10 min	18 - 23 g/10 min	ASTM D1238
Ash	18 - 22 %	18 - 22 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	85	85	ASTM D785
Tensile Strength	44.0 MPa	6380 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	83.0 MPa	12000 psi	ASTM D790
Flexural Modulus	4.41 GPa	640 ksi	ASTM D790
Izod Impact, Notched	0.200 J/cm	0.375 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	166 Å°C	331 Å°F	ASTM D1525
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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