

Kolon KOCETAL[®] TF302 Wear Modified Acetal Resin

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

Material Notes:

PTFE powder added, improved wear property. Applications: High speed, high load and wear resistant products. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-TF302-Wear-Modified-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.50 g/cc	1.50 g/cc	ASTM D792
Linear Mold Shrinkage	0.019 cm/cm	0.019 in/in	ASTM D955
Melt Flow	8.0 - 12 g/10 min	8.0 - 12 g/10 min	ASTM D1238
Ash	8.0 - 12 %	8.0 - 12 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength	47.0 MPa	6820 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	69.0 MPa	10000 psi	ASTM D790
Flexural Modulus	1.96 GPa	284 ksi	ASTM D790
Izod Impact, Notched	0.290 J/cm	0.543 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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