

Kolon KOCETAL[®] MS301 Wear Modified Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Molybdenum disulfide added, improved wear property. Applications: Products for low noise and friction against metal. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-MS301-Wear-Modified-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM D955
Melt Flow	8.5 - 11 g/10 min	8.5 - 11 g/10 min	ASTM D1238
Ash	2.0 - 3.0 %	2.0 - 3.0 %	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength	44.0 MPa	6380 psi	ASTM D638
Elongation at Break	40 %	40 %	ASTM D638
Flexural Strength	74.0 MPa	10700 psi	ASTM D790
Flexural Modulus	2.156 GPa	312.7 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
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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