

Kolon KOCETAL® VT702 Anti-Static Grade Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Improved antistatic effects. Applications: Products for avoiding electric contamination. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-VT702-Anti-Static-Grade-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.22 %	0.22 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	ASTM D955
Melt Flow	27 g/10 min	27 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength	64.0 MPa	9280 psi	ASTM D638
Elongation at Break	60 %	60 %	ASTM D638
Flexural Strength	93.0 MPa	13500 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.560 J/cm	1.05 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	130 Åµm/m-Å°C	72.2 Åµin/in-Å°F	ASTM D696
Melting Point	166 Å°C	331 Å°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	158 Å°C	316 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	110 Å°C	230 Å°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+10 ohm-cm	1.00e+10 ohm-cm	ASTM D257
Surface Resistance	1.00e+12 ohm	1.00e+12 ohm	ASTM D257

Electrical Properties	Metric	English	Comments
Dielectric Strength	19.0 kV/mm	483 kV/in	ASTM D149
Dissipation Factor	0.060 @Frequency 1.00e+6 Hz	0.060 @Frequency 1.00e+6 Hz	ASTM D150

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