

Kolon KOCETAL® UR304 Toughened Grade Acetal Resin

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Impact Modified

Material Notes:

TPU added, improved toughness. Applications: Impact resistant, flexible products. Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOCETAL-UR304-Toughened-Grade-Acetal-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.25 %	0.25 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.017 cm/cm	0.017 in/in	ASTM D955
Melt Flow	6.5 - 10.5 g/10 min	6.5 - 10.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	60	60	ASTM D785
Tensile Strength	43.0 MPa	6240 psi	ASTM D638
Elongation at Break	200 %	200 %	ASTM D638
Flexural Strength	60.0 MPa	8700 psi	ASTM D790
Flexural Modulus	1.663 GPa	241.2 ksi	ASTM D790
Izod Impact, Notched	1.02 J/cm	1.91 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)	145 Å°C	293 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	82.0 Å°C	180 Å°F	ASTM D648
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

Electrical Properties

Metric ^{mm}

English ⁱⁿ

Comments

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