

Radici Heraform® R 1300 Acetal Copolymer

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, Unreinforced

Material Notes:

Easy flowing grade for injection molding of thin-walled parts with high mechanical properties. Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Heraform-R-1300-Acetal-Copolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ISO 1183
Water Absorption	0.65 %	0.65 %	ISO 62
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 190 °C	12 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	ISO 527
Elongation at Break	20 %	20 %	ISO 527
Tensile Modulus	2.90 GPa	421 ksi	ISO 527
Flexural Modulus	2.80 GPa	406 ksi	ISO 178
Charpy Impact, Notched	0.650 J/cm ²	3.09 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	166 °C	331 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	106 °C	223 °F	ISO 75
Vicat Softening Point	151 °C @Load 5.10 kg	304 °F @Load 11.2 lb	ISO 306
Flammability, UL94	HB @Thickness 1.00 mm	HB @Thickness 0.0394 in	
Shrinkage	1.8 % @Pressure 100 MPa, Temperature 90.0 °C	1.8 % @Pressure 14500 psi, Temperature 194 °F	3 mm

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