

Chase Plastics CP Pryme® AC100-27 Acetal Copolymer Molding Resin

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

Material Notes:

Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-AC100-27-Acetal-Copolymer-Molding-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.41 g/cc	1.41 g/cc	ASTM D792
Water Absorption	0.22 %	0.22 %	24 hours; ASTM D570
Melt Flow	27 g/10 min	27 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	62.7 MPa	9100 psi	ASTM D638
Elongation at Break	65 %	65 %	ASTM D638
Flexural Strength	90.3 MPa	13100 psi	ASTM D790
Flexural Modulus	2.60 GPa	377 ksi	ASTM D790
Izod Impact, Notched	0.587 J/cm	1.10 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	160 °C	320 °F	Unannealed; ASTM D648
	@Thickness 3.17 mm	@Thickness 0.125 in	
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	Unannealed; ASTM D648
	@Thickness 3.17 mm	@Thickness 0.125 in	

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