

Chase Plastics CP Pryme® AC100 Acetal Copolymer

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

Material Notes:

Features: Alkali resistant Good chemical resistance Good dimensional stability Fatigue resistant Low friction General purpose Grease resistant Low moisture absorption Oil resistant Resilient High rigidity Solvent resistant High strength Good thermal stability Good toughness Injection molding Form: Pellets Information provided by Chase Plastics.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in ³	ASTM D792
Water Absorption	0.16 %	0.16 %	At 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.022 cm/cm	0.022 in/in	0.125 in; ASTM D955
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	0.125 in; ASTM D955
Melt Flow	9.0 g/10 min	9.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength, Yield	61.4 MPa	8900 psi	ASTM D638
Elongation at Break	45 %	45 %	ASTM D638
Flexural Strength	91.7 MPa	13300 psi	ASTM D790
Flexural Modulus	2.59 GPa	375 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	0.125 in; ASTM D256
Tensile Impact Strength	126 kJ/m ²	60.0 ft-lb/in ²	Type S; ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Deflection Temperature at 1.8 MPa (264 psi)	110 °C	230 °F	Unannealed; ASTM D648

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