

Chase Plastics CP Pryme® AH100 Acetal Homopolymer

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-AH100-Acetal-Homopolymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.58 g/cc	1.58 g/cc	ASTM D792
Water Absorption	0.18 %	0.18 %	24 hours; ASTM D570

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	128 MPa	18500 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	193 MPa	28000 psi	ASTM D790
Flexural Modulus	7.58 GPa	1100 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	166 °C @Thickness 3.17 mm	330 °F @Thickness 0.125 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	116 °C @Thickness 3.17 mm	240 °F @Thickness 0.125 in	Unannealed; ASTM D648

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