

Chase Plastics CP Pryme® AH300 Acetal Homopolymer, Recycled Content

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Acetal (POM) , Acetal Homopolymer, Unreinforced

Material Notes:

Features: General purposeHigh heat resistanceGood chemical resistanceGood dimensional stabilityFatigue resistantLow frictionGrease resistantLow moisture absorptionOil resistantHigh rigiditySolvent resistantHigh strengthGood toughnessInjection moldingRecycled contentForm: PelletsInformation provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-AH300-Acetal-Homopolymer-Recycled-Content.php

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in ³	ASTM D792
Water Absorption	0.26 %	0.26 %	At 24 hrs; ASTM D570
Linear Mold Shrinkage, Flow	0.021 cm/cm	0.021 in/in	0.125 in; ASTM D955
Linear Mold Shrinkage, Transverse	0.020 cm/cm	0.020 in/in	0.125 in; ASTM D955
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	66.9 MPa	9700 psi	ASTM D638
Elongation at Break	30 %	30 %	ASTM D638
Flexural Strength	91.7 MPa	13300 psi	ASTM D790
Flexural Modulus	2.86 GPa	415 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	171 °C	339 °F	
Deflection Temperature at 1.8 MPa (264 psi)	126 °C	258 °F	Unannealed; ASTM D648

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