

Chase Plastics CP Pryme® AC300 Acetal Copolymer, Recycled Content

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

Material Notes:

Features: Recycled contentForm: PelletsInformation provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-AC300-Acetal-Copolymer-Recycled-Content.php

Physical Properties	Metric	English	Comments
Density	1.41 g/cc	0.0509 lb/in³	ASTM D792
Water Absorption	0.20 %	0.20 %	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	10.5 g/10 min	10.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	80	80	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Flexural Strength	79.3 MPa	11500 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	
Deflection Temperature at 1.8 MPa (264 psi)	113 °C	235 °F	Unannealed; ASTM D648

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