

Chase Plastics CP Pryme® AH120 Acetal Copolymer, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Acetal (POM) , Acetal Copolymer, 20% Glass Fiber Reinforced

Material Notes:

Form: Pellets
Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-AH120-Acetal-Copolymer-20-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.56 g/cc	0.0564 lb/in ³	ASTM D792
Filler Content	20 %	20 %	
Water Absorption	0.24 %	0.24 %	At 24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	89	89	ASTM D785
Tensile Strength at Break	56.5 MPa	8200 psi	ASTM D638
Elongation at Break	10 %	10 %	ASTM D638
Flexural Strength	70.3 MPa	10200 psi	ASTM D790
Flexural Modulus	5.17 GPa	750 ksi	ASTM D790
Izod Impact, Notched	0.427 J/cm	0.800 ft-lb/in	0.125 in; ASTM D256
Tensile Impact Strength	63.0 kJ/m ²	30.0 ft-lb/in ²	Type S; ASTM D1822

Thermal Properties	Metric	English	Comments
Melting Point	173 °C	344 °F	
Deflection Temperature at 0.46 MPa (66 psi)	176 °C	348 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	159 °C	318 °F	Unannealed; ASTM D648

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