

Chase Plastics CP Pryme® PC100RHF Polycarbonate

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

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-PC100RHF-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.20 g/cc	0.0434 lb/in ³	ASTM D792
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
Melt Flow	19 g/10 min	19 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	68.3 MPa	9900 psi	ASTM D638
Tensile Strength, Yield	64.1 MPa	9300 psi	ASTM D638
Elongation at Break	120 %	120 %	ASTM D638
Tensile Modulus	2.28 GPa	330 ksi	ASTM 638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.35 GPa	341 ksi	ASTM D790
Izod Impact, Notched	8.01 J/cm	15.0 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	128 °C	262 °F	Unannealed; ASTM D648

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