

Chase Plastics CP Pryme® PC100R Polycarbonate Molding Resin, Mold Release

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

Material Notes:

Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-PC100R-Polycarbonate-Molding-Resin-Mold-Release.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
Melt Index of Compound	10 - 14 g/10 min @Load 1.20 kg, Temperature 300 °C	10 - 14 g/10 min @Load 2.65 lb, Temperature 572 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	64.1 MPa	9300 psi	ASTM D638
Elongation at Break	100 %	100 %	ASTM D638
Flexural Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Notched	8.54 - 9.08 J/cm	16.0 - 17.0 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	129 °C	265 °F	ASTM D648

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