

Chase Plastics CP Pryme® PC120R Polycarbonate, 20% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 20% Glass Filled

Material Notes:

Features: Good mold releaseForm: PelletsInformation provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-PC120R-Polycarbonate-20-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in³	ASTM D792
Filler Content	20 %	20 %	
Linear Mold Shrinkage, Flow	0.0010 - 0.0030 cm/cm	0.0010 - 0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Tensile Strength at Break	107 MPa	15500 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	121 MPa	17500 psi	ASTM D790
Flexural Modulus	5.38 GPa	780 ksi	ASTM D790
Izod Impact, Notched	0.961 J/cm	1.80 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	305 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	143 °C	290 °F	Unannealed; ASTM D648

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