

Chase Plastics CP Pryme® PC310R Polycarbonate, 10% Glass Fiber Reinforced, Recycled Content

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 10% Glass Filled

Material Notes:

Features: Good mold release
Recycled content
Form: Pellets
Information provided by Chase Plastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chase-Plastics-CP-Pryme-PC310R-Polycarbonate-10-Glass-Fiber-Reinforced-Recycled-Content.php

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in ³	ASTM D792
Filler Content	10 %	10 %	
Linear Mold Shrinkage, Flow	0.0020 - 0.0050 cm/cm	0.0020 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	124	124	ASTM D785
Tensile Strength, Yield	58.6 MPa	8500 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	82.7 MPa	12000 psi	ASTM D790
Flexural Modulus	3.24 GPa	470 ksi	ASTM D790
Izod Impact, Notched	0.641 J/cm	1.20 ft-lb/in	0.125 in; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	143 °C	290 °F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	135 °C	275 °F	Unannealed; ASTM D648

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