

PTS Tristar® PC-20GF 20% Glass Reinforced Polycarbonate

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

Material Notes:

Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_PTS-Tristar-PC-20GF-20-Glass-Reinforced-Polycarbonate.php

Physical Properties	Metric	English	Comments
Density	1.34 g/cc	0.0484 lb/in ³	ASTM D792
Water Absorption	0.12 %	0.12 %	24 hrs; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	110 MPa @Thickness 3.17 mm	16000 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	5.0 % @Thickness 3.17 mm	5.0 % @Thickness 0.125 in	ASTM D638
Flexural Strength	131 MPa @Thickness 3.17 mm	19000 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	5.38 GPa @Thickness 3.17 mm	780 ksi @Thickness 0.125 in	ASTM D790
Izod Impact, Notched	1.07 J/cm @Thickness 3.17 mm	2.00 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	141 °C	285 °F	ASTM D648
Flammability, UL94	HB @Thickness 3.17 mm	HB @Thickness 0.125 in	

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