

PTS Tristar® PC-30GF 30% Glass Reinforced Polycarbonate With Release

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, 30% 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-30GF-30-Glass-Reinforced-Polycarbonate-With-Release.php

Physical Properties	Metric	English	Comments
Density	1.43 g/cc	0.0517 lb/in³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	127.6 MPa @Thickness 3.17 mm	18510 psi @Thickness 0.125 in	ASTM D638
Elongation at Break	3.0 % @Thickness 3.17 mm	3.0 % @Thickness 0.125 in	ASTM D638
Flexural Yield Strength	155.1 MPa @Thickness 3.17 mm	22500 psi @Thickness 0.125 in	ASTM D790
Flexural Modulus	7.58 GPa @Thickness 3.17 mm	1100 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)	143 °C	289 °F	ASTM D648

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