

PTS Tristar® PC-20GFR 20% Glass Reinforced Polycarbonate With Release

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

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-20GFR-20-Glass-Reinforced-Polycarbonate-With-Release.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 hours at 73°F; ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Yield	110.3 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 Yield 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	286 °F	ASTM D648
UL RTI, Electrical	80.0 °C	176 °F	
	80.0 °C	176 °F	
UL RTI, Mechanical with Impact	80.0 °C	176 °F	
	80.0 °C	176 °F	
UL RTI, Mechanical without Impact	80.0 °C	176 °F	
	80.0 °C	176 °F	

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-0	V-0	
	@Thickness 1.50 mm	@Thickness 0.0591 in	

Electrical Properties	Metric	English	Comments
Arc Resistance	60 - 120 sec	60 - 120 sec	PLC 6
Comparative Tracking Index	100 - 175 V	100 - 175 V	PLC 4
Hot Wire Ignition, HWI	60 - 120 sec	60 - 120 sec	PLC 1
High Amp Arc Ignition, HAI	>= 120 arcs	>= 120 arcs	PLC 0

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China