

TRISTAR® PC-20GF

Polycarbonate

Polymer Technology and Services, LLC

Message:

TRISTAR® PC-20GF is a Polycarbonate (PC) product filled with 20% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Characteristics include:

Flame Rated

REACH Compliant

RoHS Compliant

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.34	g/cm³	ASTM D792
Water Absorption (24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.17 mm)	110	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	5.0	%	ASTM D638
Flexural Modulus (3.17 mm)	5380	MPa	ASTM D790
Flexural Strength (Yield, 3.17 mm)	131	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.17 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	141	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.17 mm)	HB		UL 94

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Recommended distributors for this material

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