

TRISTAR® PC-30GFR

Polycarbonate

Polymer Technology and Services, LLC

Message:

TRISTAR® PC-30GFR is a Polycarbonate (PC) product filled with 30% 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			
UL YellowCard	E155285-223917		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.43	g/cm ³	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)	128	MPa	ASTM D638
Tensile Elongation (Break, 3.17 mm)	3.0	%	ASTM D1708
Flexural Modulus (3.17 mm)	7580	MPa	ASTM D790
Flexural Strength (3.17 mm)	155	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)	143	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Electrical	Nominal Value		Test Method
Arc Resistance	PLC 6		ASTM D495
Comparative Tracking Index (CTI)	PLC 4		UL 746
High Amp Arc Ignition (HAI)	PLC 0		UL 746
Hot-wire Ignition (HWI)	PLC 1		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	V-0		UL 94

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Recommended distributors for this material

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