

Tisarbon® PC 10 GFR

Polycarbonate

Tisan

Message:

Tisarbon® PC 10 GFR is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in Africa & Middle East or Europe for injection molding. Primary attribute of Tisarbon® PC 10 GFR: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Molding Shrinkage	< 1.0	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 0.50	%	ISO 62
Ash Content	10	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	60.0	MPa	
Break	45.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	7.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	8.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	140	°C	ISO 75-2/Be
Vicat Softening Temperature	141	°C	ISO 306/B120
Melting Temperature	230	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	175	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Glow Wire Flammability Index (3.00 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 120	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	280 to 290	°C	

Middle Temperature	270 to 280	°C
Front Temperature	260 to 270	°C
Nozzle Temperature	280 to 290	°C
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0	°C

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Recommended distributors for this material

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