

Tisarbon® PC 10 GFR FR

Polycarbonate

Tisan

Message:

Tisarbon® PC 10 GFR FR is a Polycarbonate (PC) material filled with 10% glass fiber. It is available in Africa & Middle East or Europe for injection molding. Important attributes of Tisarbon® PC 10 GFR FR are:

- Flame Rated
- Flame Retardant

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
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)	< 2.0	%	ISO 62
Ash Content ¹	10	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	50.2	MPa	
Break	50.2	MPa	
Tensile Strain			ISO 527-2
Yield	2.3	%	
Break	2.3	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	
Melting Temperature	220 to 225	°C	
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	100 to 120	°C	
Drying Time	4.0	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	100 to 120	°C

NOTE

1. GFR+FR

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Recommended distributors for this material

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