

Tisoplen® PPC 25 GFR FR

Polypropylene Copolymer

Tisan

Message:

Tisoplen® PPC 25 GFR FR is a Polypropylene Copolymer (PP Copolymer) material filled with 25% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tisoplen® PPC 25 GFR FR are:

Flame Rated
Flame Retardant
Copolymer

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
Features	Copolymer		
	Flame Retardant		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Molding Shrinkage	0.70	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.010	%	ISO 62
Ash Content	25	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	69		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	43.0	MPa	
Break	40.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	3.5	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	6.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	155	°C	ISO 75-2/Be
Vicat Softening Temperature	130	°C	ISO 306/B120
Melting Temperature	165	°C	

Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	600	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	
Rear Temperature	190 to 210	°C	
Middle Temperature	190 to 210	°C	
Front Temperature	190 to 210	°C	
Nozzle Temperature	200	°C	
Processing (Melt) Temp	170 to 190	°C	
Mold Temperature	45.0	°C	

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Recommended distributors for this material

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