

Tisoplen® PPH 25 GFR FR

Polypropylene Homopolymer

Tisan

Message:

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

Important attributes of Tisoplen® PPH 25 GFR FR are:

- Flame Rated
- Flame Retardant
- Heat Stabilizer
- Homopolymer

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
	Homopolymer		
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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