

Tislamid® PA6 PA6 20 GFR FR

Polyamide 6

Tisan

Message:

Tislamid® PA6 PA6 20 GFR FR is a Polyamide 6 (Nylon 6) material filled with 20% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tislamid® PA6 PA6 20 GFR FR are:

- Flame Rated
- Flame Retardant
- Halogen Free
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 2.0	%	ISO 62
Ash Content	20	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	95.0	MPa	
Break	90.0	MPa	
Tensile Strain			ISO 527-2
Yield	3.1	%	
Break	3.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	215	°C	ISO 75-2/Be
Vicat Softening Temperature	210	°C	ISO 306/B120

Melting Temperature	220 to 225	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	500	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 100	°C	
Drying Time	4.0	hr	
Rear Temperature	220 to 240	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	220 to 240	°C	
Nozzle Temperature	210 to 230	°C	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	60.0 to 80.0	°C	

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Recommended distributors for this material

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