

Tislamid® PA6 PA6 15 GFR

Polyamide 6

Tisan

Message:

Tislamid® PA6 PA6 15 GFR is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Africa & Middle East or Europe for injection molding. Primary attribute of Tislamid® PA6 PA6 15 GFR: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.5	%	ISO 62
Ash Content	15	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	84		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	120	MPa	
Break	115	MPa	
Tensile Strain			ISO 527-2
Yield	3.8	%	
Break	3.6	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	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)	HB		UL 94
Glow Wire Flammability Index (3.00 mm)	650	°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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