

# Tislamid® PA6 PA6 25 GFR FR

Polyamide 6

Tisan

## Message:

Tislamid® PA6 PA6 25 GFR FR is a Polyamide 6 (Nylon 6) material filled with 25% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tislamid® PA6 PA6 25 GFR FR are:

- Flame Rated
- Flame Retardant
- Heat Stabilizer

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	< 2.0	%	ISO 62
Ash Content	25	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	110	MPa	
Break	105	MPa	
Tensile Strain			ISO 527-2
Yield	2.9	%	
Break	3.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m²	ISO 180/A
Thermal	Nominal Value	Unit	
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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