

Tislamid® PA66 PA66 25 GFR FR HF

Polyamide 66

Tisan

Message:

Tislamid® PA66 PA66 25 GFR FR HF is a Polyamide 66 (Nylon 66) material filled with 25% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tislamid® PA66 PA66 25 GFR FR HF are:

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

General Information			
Filler / Reinforcement	Glass Fiber,25% 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	1.35	g/cm ³	ISO 1183
Molding Shrinkage	0.30	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8	%	ISO 62
Ash Content	25	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	83		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	145	MPa	
Break	140	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)	250	°C	ISO 75-2/Be
Vicat Softening Temperature	255	°C	ISO 306/B120
Melting Temperature	255 to 260	°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	110 to 120	°C	
Drying Time	3.0 to 4.0	hr	
Rear Temperature	260 to 280	°C	
Middle Temperature	260 to 280	°C	
Front Temperature	260 to 280	°C	
Nozzle Temperature	250 to 270	°C	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	75.0 to 85.0	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

