

Tislamid® PA66 PA66 30 GFR EP

Polyamide 66

Tisan

Message:

Tislamid® PA66 PA66 30 GFR EP is a Polyamide 66 (Nylon 66) material filled with 30% glass fiber. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tislamid® PA66 PA66 30 GFR EP are:

- Flame Rated
- Heat Stabilizer
- Impact Resistant

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Impact Resistance		
	Heat Stabilized		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Molding Shrinkage	1.2	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.6	%	ISO 62
Ash Content	30	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	80		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	120	MPa	
Break	118	MPa	
Tensile Strain			ISO 527-2
Yield	3.2	%	
Break	3.3	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	19	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	240	°C	ISO 75-2/Be
Vicat Softening Temperature	245	°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)	HB		UL 94
Glow Wire Flammability Index (3.00 mm)	650	°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

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