

Tislamid® PA66 PA66 15 MNF FR

Polyamide 66

Tisan

Message:

Tislamid® PA66 PA66 15 MNF FR is a Polyamide 66 (Nylon 66) material filled with 15% mineral. It is available in Africa & Middle East or Europe for injection molding.

Important attributes of Tislamid® PA66 PA66 15 MNF FR are:

- Flame Rated
- Flame Retardant
- Heat Stabilizer

General Information			
Filler / Reinforcement	Mineral,15% 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	1.39	g/cm ³	ISO 1183
Molding Shrinkage	0.60	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	2.2	%	ISO 62
Ash Content	15	%	ISO 3451
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	78		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	71.0	MPa	
Break	69.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.1	%	
Break	4.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	3.6	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	260 to 265	°C	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index (3.00 mm)	325	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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