

Tisan TISLAMID® 66 20% Glass Fiber Reinforced Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Glass Fiber Filled

Material Notes:

TISLAMID has a wide area of application in electric/electronic, automotive, durable goods and telecommunications industries. It demonstrates characteristics such as Excellent chemical resistance, Electric isolation, Easy processability, High mechanical resistance, Excellent flame retardance, High moisture absorption, Excellent temperature resistance, High performance / affordable price, Abrasion resistance. TISLAMID has an excellent resistance to weak alkalis and organic solvents. It has a good resistance to weak acids, alcohols, hydrocarbons, and engine fuels. It has a medium resistance to strong alkalis and a weak resistance to strong acids.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tisan-TISLAMID-66-20-Glass-Fiber-Reinforced-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	
Ash	20 %	20 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	ISO 868
Tensile Strength at Break	147 MPa	21300 psi	ISO 527-2
Tensile Strength, Yield	150 MPa	21800 psi	ISO 527-2
Elongation at Break	3.0 %	3.0 %	ISO 527-2
Elongation at Yield	3.0 %	3.0 %	ISO 527-2
Modulus of Elasticity	6.50 GPa	943 ksi	ISO 527-2
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	260 - 265 °C	500 - 509 °F	
Vicat Softening Point	255 °C	491 °F	ISO 306
Heat Distortion Temperature	260 °C	500 °F	ISO 75-2
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °F	60695-2-10

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	500 V	500 V	TS EN 60112

Processing Properties	Metric	English	Comments
Feed Temperature	70.0 - 90.0 °C	158 - 194 °F	
Rear Barrel Temperature	260 - 280 °C	500 - 536 °F	Aft-1. Region Temperature
Middle Barrel Temperature	260 - 280 °C	500 - 536 °F	Mid-2. Region Temperature
Front Barrel Temperature	260 - 280 °C	500 - 536 °F	Pre-3. Region Temperature
Nozzle Temperature	250 - 270 °C	482 - 518 °F	
Melt Temperature	260 - 290 °C	500 - 554 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	Predrying Temperature
Dry Time	3 - 4 hour	3 - 4 hour	Predrying Time
Moisture Content	2.1 %	2.1 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	75-85°C	

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