

Tisan TISLAMID® 66 25% Glass Fiber Reinforced Flame Retardant (V0). Heat Stabilized Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Fiber Filled, Flame Retardant

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 resistanceElectric isolationEasy processabilityHigh mechanical resistanceExcellent flame retardanceHigh moisture absorptionExcellent temperature resistanceHigh performance / affordable priceAbrasion resistanceTISLAMID 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-66-25-Glass-Fiber-Reinforced-Flame-Retardant-V0-Heat-Stabilized-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in³	ISO 1183
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	
Ash	25 %	25 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	140 MPa	20300 psi	ISO 527-2
Tensile Strength, Yield	145 MPa	21000 psi	ISO 527-2
Elongation at Break	3.0 %	3.0 %	ISO 527-2
Elongation at Yield	3.1 %	3.1 %	ISO 527-2
Modulus of Elasticity	8.00 GPa	1160 ksi	ISO 527-2
Izod Impact, Notched (ISO)	9.00 kJ/m²	4.28 ft-lb/in²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	255 - 260 °C	491 - 500 °F	
Vicat Softening Point	255 °C	491 °F	ISO 306
Heat Distortion Temperature	250 °C	482 °F	ISO 75-2
Flammability, UL94	V-0	V-0	
Glow Wire Test	960 °C	1760 °F	60695-2-10

Electrical Properties	Metric	English	Comments
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Electrical Properties	Metric	English	Comments
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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	1.8 %	1.8 %	ISO 62

Descriptive Properties	Value	Comments
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Block Temperature	75-85°C	
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