

Tisan TISLAMID® 66 30% Glass Filled Impact Modified, Heat Stabilized Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, Glass Reinforced, Impact Grade

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-66-30-Glass-Filled-Impact-Modified-Heat-Stabilized-Nylon-66.php

Physical Properties	Metric	English	Comments
Density	1.27 g/cc	0.0459 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	
Ash	30 %	30 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	118 MPa	17100 psi	ISO 527-2
Tensile Strength, Yield	120 MPa	17400 psi	ISO 527-2
Elongation at Break	3.3 %	3.3 %	ISO 527-2
Elongation at Yield	3.2 %	3.2 %	ISO 527-2
Modulus of Elasticity	6.50 GPa	943 ksi	ISO 527-2
Izod Impact, Notched (ISO)	19.0 kJ/m ²	9.04 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	255 - 260 °C	491 - 500 °F	
Vicat Softening Point	245 °C	473 °F	ISO 306
Heat Distortion Temperature	240 °C	464 °F	ISO 75-2
Flammability, UL94	HB	HB	
Glow Wire Test	650 °C	1200 °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	1.6 %	1.6 %	ISO 62

Descriptive Properties	Value	Comments
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Block Temperature	75-85°C	
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