

Tisan TISLAMID® 6 UNR Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6 , Unreinforced

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-6-UNR-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.012 cm/cm	0.012 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	82	82	ISO 868
Tensile Strength at Break	70.0 MPa	10200 psi	ISO 527-2
Tensile Strength, Yield	75.0 MPa	10900 psi	ISO 527-2
Elongation at Break	3.75 %	3.75 %	ISO 527-2
Elongation at Yield	4.0 %	4.0 %	ISO 527-2
Modulus of Elasticity	2.70 GPa	392 ksi	ISO 527-2
Izod Impact, Notched (ISO)	6.50 kJ/m ²	3.09 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	220 - 225 °C	428 - 437 °F	
Vicat Softening Point	200 °C	392 °F	ISO 306
Heat Distortion Temperature	180 °C	356 °F	ISO 75-2
Flammability, UL94	V-2	V-2	
Glow Wire Test	860 °C	1580 °F	60695-2-10

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	TS EN 60112

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	
Rear Barrel Temperature	220 - 240 °C	428 - 464 °F	Aft-1. Region Temperature
Middle Barrel Temperature	220 - 240 °C	428 - 464 °F	Mid-2. Region Temperature
Front Barrel Temperature	220 - 240 °C	428 - 464 °F	Pre-3. Region Temperature
Nozzle Temperature	210 - 230 °C	410 - 446 °F	
Melt Temperature	220 - 240 °C	428 - 464 °F	
Drying Temperature	90.0 - 100 °C	194 - 212 °F	Predrying Temperature
Dry Time	3 - 4 hour	3 - 4 hour	Predrying Time
Moisture Content	2.5 %	2.5 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	60-80°C	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China