

## Tisan TISLAMID® 6 15% Mineral Filled Flame Retardant (V0). Heat Stabilized Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Glass/Mineral Reinforced

### 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-6-15-Mineral-Filled-Flame-Retardant-V0-Heat-Stabilized-Nylon-6.php](http://www.lookpolymers.com/polymer_Tisan-TISLAMID-6-15-Mineral-Filled-Flame-Retardant-V0-Heat-Stabilized-Nylon-6.php)

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in <sup>3</sup>	ISO 1183
Ash	15 %	15 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	69.0 MPa	10000 psi	ISO 527-2
Tensile Strength, Yield	71.0 MPa	10300 psi	ISO 527-2
Elongation at Break	4.0 %	4.0 %	ISO 527-2
Elongation at Yield	4.1 %	4.1 %	ISO 527-2
Modulus of Elasticity	3.50 GPa	508 ksi	ISO 527-2
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	222 °C	432 °F	
Vicat Softening Point	202 °C	396 °F	ISO 306
Heat Distortion Temperature	197 °C	387 °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
Comparative Tracking Index	325 V	325 V	TS EN 60112

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	2.2 %	2.2 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	60-80°C	

## Contact Songhan Plastic Technology Co.,Ltd.

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