

Tisan TISREN® Flame Retardant (V0) Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Flame Retardant

Material Notes:

TISREN has a wide area of application in automotive, electronics, computer, construction, and furniture industries. General Specifications include: High surface luminosity Easy processability Dimensional stability Insulation Low weight High toughness Low moisture absorption High chemical resistance It has excellent chemical resistance to weak acids, weak alkalis, and strong alkalis. It has good resistance against strong acids. It has weak chemical resistance against organic solvents, alcohols, hydrocarbons, and engine fuels.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tisan-TISREN-Flame-Retardant-V0-Polystyrene.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527-2
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-2
Elongation at Break	3.0 %	3.0 %	ISO 527-2
Elongation at Yield	3.5 %	3.5 %	ISO 527-2
Modulus of Elasticity	2.20 GPa	319 ksi	ISO 527-2
Izod Impact, Notched (ISO)	9.00 kJ/m ²	4.28 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Vicat Softening Point	104 °C	219 °F	ISO 306
Heat Distortion Temperature	94.0 °C	201 °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	250 V	250 V	TS EN 60112

Processing Properties	Metric	English	Comments
-----------------------	--------	---------	----------

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	190 - 210 °C	374 - 410 °F	Aft-1. Region Temperature
Middle Barrel Temperature	190 - 210 °C	374 - 410 °F	Mid-2. Region Temperature
Front Barrel Temperature	190 - 210 °C	374 - 410 °F	Pre-3. Region Temperature
Nozzle Temperature	200 °C	392 °F	
Melt Temperature	160 - 180 °C	320 - 356 °F	
Drying Temperature	80.0 °C	176 °F	Predrying Temperature
Dry Time	2 - 3 hour	2 - 3 hour	Predrying Time
Moisture Content	0.30 %	0.30 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	45°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