

Tisan TISETILEN® Flame Retardant (V0) Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

TISETILEN has a wide area of application in construction, building auxiliary materials, lighting equipment, household appliance, toy industries, etc. General specifications include Low density Flexible toughness Easy processability and dyeing High performance Good chemical resistance General specifications can also include high density. TISETILEN has an excellent chemical resistance to weak acids and weak alkalis. It has good chemical resistance to strong acids, strong alkalis, and alcohols. It has weak resistance to organic solvents, hydrocarbons, and engine fuels.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tisan-TISETILEN-Flame-Retardant-V0-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	1.11 g/cc	0.0401 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	
Melt Flow	11 g/10 min	11 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched (ISO)	4.45 kJ/m ²	2.12 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	
Heat Distortion Temperature	78.0 - 110 °C	172 - 230 °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	600 V	600 V	TS EN 60112

Processing Properties	Metric	English	Comments
Feed Temperature	50.0 °C	122 °F	
Rear Barrel Temperature	170 - 190 °C	338 - 374 °F	Aft-1. Region Temperature
Middle Barrel Temperature	170 - 190 °C	338 - 374 °F	Mid-2. Region Temperature
Front Barrel Temperature	170 - 190 °C	338 - 374 °F	Pre-3. Region Temperature

Nozzle Temperature Processing Properties	180 °C Metric	356 °F English	Comments
Drying Temperature	80.0 °C	176 °F	Predrying Temperature
Dry Time	1 hour	1 hour	Predrying Time
Moisture Content	62 - 102 %	62 - 102 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	40°C	

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