

Tisan TISETILEN® UNR Polyethylene

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

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-UNR-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	
Melt Flow	18.7 g/10 min	18.7 g/10 min	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	ISO 868
Izod Impact, Notched (ISO)	40.47 kJ/m ²	19.26 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	
Heat Distortion Temperature	80.0 - 110 °C	176 - 230 °F	ISO 75-2
Flammability, UL94	HB	HB	

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	65 - 100 %	65 - 100 %	ISO 62

Descriptive Properties	Value	Comments
Block Temperature	40°C	

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