

Tisan TISAPET® UNR Polyethylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET)

Material Notes:

Properties:Excellent mechanical propertiesHigh thermal-chemical friction resistanceGood electrical propertiesGood rate of melt flow index relative to the quantity of glass fiberBalanced electrical and mechanical properties for flame retardant typesHigh toughnessColor and stability in high temperaturesApplication:Polyethylene with high density is widely and safely used for the manufacture of big containers for the transportation of kerosene and chemicalsCar oil and fluid by dye blow moulding processingIn the manufacture of shampoo and cosmetic bottlesIn the manufacture of pipes and carrier cases

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tisan-TISAPET-UNR-Polyethylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Density	1.37 g/cc	0.0495 lb/in ³	ISO 1183
Ash	80 %	80 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ISO 868
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-2
Elongation at Yield	30 %	30 %	ISO 527
Flexural Strength	55.0 MPa	7980 psi	ISO 178
Izod Impact, Notched (ISO)	10.0 kJ/m ²	4.76 ft-lb/in ²	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	
Heat Distortion Temperature	200 °C	392 °F	ISO 75 A/B
Flammability, UL94	HB	HB	

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