

## Tisan TISAPET® 20% Glass Reinforced Polyethylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 20% Glass Reinforced

### 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-20-Glass-Reinforced-Polyethylene-Terephthalate.php](http://www.lookpolymers.com/polymer_Tisan-TISAPET-20-Glass-Reinforced-Polyethylene-Terephthalate.php)

Physical Properties	Metric	English	Comments
Density	1.456 g/cc	0.05260 lb/in <sup>3</sup>	ISO 1183
Ash	83 %	83 %	ISO 3451

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	83	83	ISO 868
Tensile Strength, Yield	72.0 MPa	10400 psi	ISO 527-2
Elongation at Yield	35 %	35 %	ISO 527
Flexural Strength	60.0 MPa	8700 psi	ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup>	5.71 ft-lb/in <sup>2</sup>	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	250 - 256 °C	482 - 493 °F	
Vicat Softening Point	235.6 °C	456.1 °F	ISO 306
Heat Distortion Temperature	220 °C	428 °F	ISO 75 A/B
Flammability, UL94	HB	HB	

## Contact Songhan Plastic Technology Co.,Ltd.

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