

## Evonik Corporation Vestodur® X7396 nf PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Heat Resistant

### Material Notes:

Heat and hydrolysis stabilized, modified polymer PBT-Plastic resin with low shrinkage.Applications: Extruding thin walled tubing, for example: fiber optic jacketing.ISO data as provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-Vestodur-X7396-nf-PBT.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X7396-nf-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.25 g/cc	0.0452 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	65.0 MPa	9430 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.0 %	4.0 %	
Modulus of Elasticity	2.60 GPa	377 ksi	
Charpy Impact Unnotched	NB	NB	
	23.0 J/cm <sup>2</sup>	109 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.500 J/cm <sup>2</sup>	2.38 ft-lb/in <sup>2</sup>	
	0.400 J/cm <sup>2</sup>	1.90 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	<= 50.0 µm/m-°C	<= 27.8 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	
Deflection Temperature at 1.8 MPa (264 psi)	65.0 °C	149 °F	
Vicat Softening Point	115 °C	239 °F	50°C/hr/50 N
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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