

## Evonik Corporation Vestodur® X7347 nf PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Flame Retardant

### Material Notes:

Flame resistant, medium viscosity, impact resistant PBT-Resin with higher tracking reference number for injection molding.Applications: Electrical and electronics industries.ISO data as provided by the manufacturer.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-Vestodur-X7347-nf-PBT.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X7347-nf-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.42 g/cc	0.0513 lb/in <sup>3</sup>	
Water Absorption	0.00 %	0.00 %	
Melt Flow	50 g/10 min	50 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	
Elongation at Break	30 %	30 %	
Elongation at Yield	3.0 %	3.0 %	
Modulus of Elasticity	2.20 GPa	319 ksi	
Charpy Impact Unnotched	NB	NB	
	20.0 J/cm <sup>2</sup>	95.2 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	1.40 J/cm <sup>2</sup>	6.66 ft-lb/in <sup>2</sup>	
	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	100 µm/m-°C	55.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
CTE, linear, Transverse to Flow	100 µm/m-°C	55.6 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	170 °C	338 °F	
Deflection Temperature at 1.8 MPa			

(264 psi) Thermal Properties	60.0 °C Metric	140 °F English	Comments
Vicat Softening Point	175 °C	347 °F	50°C/hr/50 N
Flammability, UL94	V-0 @Thickness 1.60 mm	V-0 @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	
Dielectric Constant	3.0 @Frequency 100 Hz	3.0 @Frequency 100 Hz	
	3.0 @Frequency 1e+6 Hz	3.0 @Frequency 1e+6 Hz	
Dielectric Strength	25.0 kV/mm	635 kV/in	
Dissipation Factor	0.0075 @Frequency 100 Hz	0.0075 @Frequency 100 Hz	
	0.025 @Frequency 1e+6 Hz	0.025 @Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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