

## Evonik Corporation Vestodur® X7329 30% Glass Fiber Reinforced PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

### Material Notes:

Description: VESTODUR X7329 is a glass fiber reinforced(30 %), self-extinguishing (V-0 at 1.6 mm) poly-butylene terephthalate (PBT) compound with a creamy-white color. The compound is suitable for the injection molding of parts with high mechanical and thermal resistance. Test bars made of this compound are rated self-extinguishing according UL94 by Underwriters Laboratories Inc..Information provided by degussa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Evonik-Corporation-Vestodur-X7329-30-Glass-Fiber-Reinforced-PBT.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X7329-30-Glass-Fiber-Reinforced-PBT.php)

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.002 cm/cm @Thickness 2.00 mm	0.002 in/in @Thickness 0.0787 in	sheet with film gate at rim, mold temperature 80°C
Linear Mold Shrinkage, Transverse	0.018 cm/cm	0.018 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ISO 868
Tensile Strength, Yield	140 MPa	20300 psi	ISO 527-1/2
Elongation at Break	2.3 %	2.3 %	ISO 527-1/2
Tensile Modulus	11.0 GPa	1600 ksi	ISO 527-1/-2
Charpy Impact Unnotched	6.00 J/cm <sup>2</sup> @Temperature -30.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eU
	6.00 J/cm <sup>2</sup> @Temperature 23.0 °C	28.6 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	1.20 J/cm <sup>2</sup> @Temperature -30.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 179/1eA
	1.20 J/cm <sup>2</sup> @Temperature 23.0 °C	5.71 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Vicat Softening Point	213 °C	415 °F	Method B, 50 N; ISO 306
	220 °C	428 °F	Method A, 10 N; ISO 306

Thermal Properties	Metric	English	Comments
Flammability, UL94	@Thickness 0.800 mm	@Thickness 0.0315 in	IEC 60695
	V-0	V-0	IEC 60695
Glow Wire Test	@Thickness 1.60 mm	@Thickness 0.0630 in	IEC 60695-2-1/0-3
	960 °C	1760 °F	IEC 60695-2-1/0-3
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+16 ohm-cm	>= 1.00e+16 ohm-cm	IEC 60093
Surface Resistance	1.00e+13 ohm	1.00e+13 ohm	IEC 60093
Dielectric Constant	4.1	4.1	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	4.4	4.4	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dissipation Factor	31.0 kV/mm	787 kV/in	K20/P50; IEC 60243-1
Comparative Tracking Index	0.0030	0.0030	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.015	0.015	IEC 60250
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Electrolytic Corrosion	225 V	225 V	100 drops value; IEC 60112
	275 V	275 V	Test Solution A CTI; IEC 60112

Descriptive Properties	Value	Comments
Electrolytic Corrosion	A1	IEC 60426

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China