

Evonik Corporation Vestodur® X4448 nf PBT (discontinued **)

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

ISO data as provided by the manufacturer, Creanova, Inc. Low-temperature high impact PBT resin. For processing by injection molding and extrusion. This former Creanova product line is a part of Degussa AG as of 2001. This grade is not part of the current Degussa product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X4448-nf-PBT-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	
Water Absorption	0.00 %	0.00 %	
Moisture Absorption at Equilibrium	<= 0.50 %	<= 0.50 %	Humidity Absorption
Melt Flow	3.0 g/10 min	3.0 g/10 min	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	
Elongation at Break	>= 50 %	>= 50 %	
Elongation at Yield	4.0 %	4.0 %	
Modulus of Elasticity	1.50 GPa	218 ksi	
Charpy Impact Unnotched	NB	NB	
	NB	NB	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	9.00 J/cm ²	42.8 ft-lb/in ²	
	2.50 J/cm ²	11.9 ft-lb/in ²	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Tensile Impact Strength	160 kJ/m ²	76.1 ft-lb/in ²	
Tensile Creep Modulus, 1 hour	1500 MPa	218000 psi	
Tensile Creep Modulus, 1000 hours	950 MPa	138000 psi	

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	

Thermal Properties	Metric	English	Comments
CTE, linear, Transverse to Flow	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	130 °C	266 °F	
Deflection Temperature at 1.8 MPa (264 psi)	50.0 °C	122 °F	
Vicat Softening Point	105 °C	221 °F	50°C/hr/50 N
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@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+14 ohm	1.00e+14 ohm	
Dielectric Constant	3.0	3.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.0	3.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	27.0 kV/mm	686 kV/in	
Dissipation Factor	0.0013	0.0013	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.018	0.018	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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