

Evonik Corporation Vestodur® X7396 PBT for Fiber Optic Jacketing

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

Material Notes:

Description: Degussa AG's High Performance Polymers Business Unit manufactures a range of polybutylene terephthalate compounds that are supplied under the registered trademark VESTODUR® . Material properties characterizing VESTODUR compounds are:high thermostabilityhigh stiffnesslow water absorption resulting in high dimensional stabilityhigh hardnessgood strengthgood sliding friction behavior, low abrasiongood creep behaviorgood electrical propertiesgood chemical resistancegood weathering resistancegood processabilityno tendency to form stress cracksSpecific Notes for this Material: X7396 is a resin with an exceptional low post-extrusion shrinkage, good hydrolysis resistance and high heat aging stability. Recommended for semi-tight buffering or small central core tubes.Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X7396-PBT-for-Fiber-Optic-Jacketing.php

Physical Properties	Metric	English	Comments
Density	1.28 g/cc	0.0462 lb/in ³	ISO 1183
Viscosity Test	120 cm ³ /g	120 cm ³ /g	Viscosity Number; ISO 1628-5
Melt Flow	10.24 g/10 min @Load 2.16 kg, Temperature 250 °C	10.24 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	ISO 868
Tensile Strength, Yield	61.0 MPa	8850 psi	ISO 527-2/1A
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2/1A
Elongation at Yield	6.5 %	6.5 %	ISO 527-2/1A
Tensile Modulus	2.40 GPa	348 ksi	ISO 527-1/2
Charpy Impact Unnotched	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.550 J/cm ² @Temperature -30.0 °C	2.62 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.650 J/cm ² @Temperature 23.0 °C	3.09 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
CTE, linear	80.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	44.4 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	ISO 11359
	@Temperature 23.0 - 80.0 $^\circ\text{C}$	@Temperature 73.4 - 176 $^\circ\text{F}$	
Melting Point	220 - 225 $^\circ\text{C}$	428 - 437 $^\circ\text{F}$	DSC

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