

Evonik Corporation Vestodur® X9403 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 thermostability, high stiffness, low water absorption resulting in high dimensional stability, high hardness, good strength, good sliding friction behavior, low abrasion, good creep behavior, good electrical properties, good chemical resistance, good weathering resistance, good processability, no tendency to form stress cracks.

Specific Notes for this Material: Special types for different selective applications in the electrical, automotive, cable manufacturing, machine-building, and apparatus-construction industries. To some extent, the designations are synonyms for various product developments. Flame retardants, free of halogens and phosphorus. Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-X9403-PBT-for-Fiber-Optic-Jacketing.php

Physical Properties	Metric	English	Comments
Density	1.31 g/cc	0.0473 lb/in ³	ISO 1183
Water Absorption at Saturation	0.30 %	0.30 %	ISO 62
Melt Flow	39.3 g/10 min @Load 2.16 kg, Temperature 250 °C	39.3 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ISO 868
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527-2/1A
Elongation at Break	>= 50 %	>= 50 %	ISO 527-2/1A
Elongation at Yield	17 %	17 %	ISO 527-2/1A
Tensile Modulus	0.800 GPa	116 ksi	ISO 527-1/2
Charpy Impact Unnotched	9.00 J/cm ² @Temperature -30.0 °C	42.8 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eU
Charpy Impact, Notched	0.250 J/cm ² @Temperature -30.0 °C	1.19 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	0.600 J/cm ² @Temperature 23.0 °C	2.86 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Mechanical Properties

Metric

English

Comments

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