

Evonik Corporation Vestodur® RS 1395 45% Mineral Reinforced, Radiation Crosslinkable PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Mineral Filled

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: Crosslinkable with heat or radiation, with flame retardant, very fine filler. Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-RS-1395-45-Mineral-Reinforced-Radiation-Crosslinkable-PBT.php

Physical Properties	Metric	English	Comments
Melt Flow	22 g/10 min	22 g/10 min	cm ³ /10 min; ISO 1133
	@Load 2.16 kg, Temperature 250 °C	@Load 4.76 lb, Temperature 482 °F	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	7.20 GPa	1040 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	345 °C	653 °F	Short-term heat resistance depending on the radiation dose (300 kGy), measured at 3.2 mm UL test bars.
Deflection Temperature at 0.46 MPa (66 psi)	190 °C	374 °F	ISO 75-2
Flammability, UL94	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	225 V	225 V	Test Solution A; IEC 60112

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