

Evonik Corporation Vestodur® RS 1425 20% 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 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: 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-1425-20-Mineral-Reinforced-Radiation-Crosslinkable-PBT.php

Physical Properties	Metric	English	Comments
Melt Flow	58 g/10 min @Load 2.16 kg, Temperature 250 °C	58 g/10 min @Load 4.76 lb, Temperature 482 °F	cm³/10 min; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	4.50 GPa	653 ksi	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	300 °C	572 °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)	185 °C	365 °F	ISO 75-2
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	200 V	200 V	Test Solution A; IEC 60112

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