

Evonik Corporation Vestodur® RS 1297 20% Glass Reinforced, Radiation Crosslinkable PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber 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.Information provided by degussa.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-RS-1297-20-Glass-Reinforced-Radiation-Crosslinkable-PBT.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|---------------------------------|
| Melt Flow | 20 g/10 min @Load 2.16 kg, Temperature 250 °C | 20 g/10 min @Load 4.76 lb, Temperature 482 °F | cm³/10 min; ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|----------|---------|----------|
| Tensile Modulus | 6.30 GPa | 914 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) | 220 °C | 428 °F | ISO 75-2 |
| Flammability, UL94 | HB @Thickness 0.800 mm | HB @Thickness 0.0315 in | |

| Electrical Properties | Metric | English | Comments |
|----------------------------|--------|---------|----------------------------|
| Comparative Tracking Index | 300 V | 300 V | Test Solution A; IEC 60112 |

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