

## Evonik Corporation Vestodur® RS 1408 15% 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 (180-200°C, 5-12 hr), 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-1408-15-Mineral-Reinforced-Radiation-Crosslinkable-PBT.php](http://www.lookpolymers.com/polymer_Evonik-Corporation-Vestodur-RS-1408-15-Mineral-Reinforced-Radiation-Crosslinkable-PBT.php)

| Mechanical Properties | Metric   | English | Comments |
|-----------------------|----------|---------|----------|
| Tensile Modulus       | 2.20 GPa | 319 ksi |          |

| Thermal Properties                          | Metric                     | English                     | Comments   |
|---|----------------------------|-----------------------------|--|
| Maximum Service Temperature, Air            | 280 °C                     | 536 °F                      | Short-term heat resistance depending on the radiation dose, measured at 3.2 mm UL test bars. |
| Deflection Temperature at 0.46 MPa (66 psi) | 180 °C                     | 356 °F                      | ISO 75-2   |
| Flammability, UL94                          | V-0<br>@Thickness 0.800 mm | V-0<br>@Thickness 0.0315 in |  |

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

## Contact Songhan Plastic Technology Co.,Ltd.

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