Evonik Vestodur® GF12-FR3 12% Glass Reinforced Laser Markable PBT (discontinued **)

Categories: 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 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

Information provided by degussa.

Evonik Industries is the successor company to Degussa.

Key Words: PBT-GF12-FR-MV

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Mechanical Properties	Metric	English	Comments
Tensile Modulus	6.00 GPa	870 ksi	
Izod Impact, Notched (ISO)	30.0 kJ/m²	14.3 ft-lb/in²	180/1C

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	223 °C	433 °F	
Flammability, UL94	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

Descriptive Properties	
Color	Natural, White

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Materials flagged as discontinued (☒) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.

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