

## Radici Raditer® B RV 100 Polybutylene Terephthalate with 10% Glass fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 10% Glass Fiber Filled

### Material Notes:

Raditer® B RV 100 is a glass fiber reinforced thermoplastic polyester based on polybutylene terephthalate. The PBT compounds combine excellent thermal, mechanical, electrical and chemical properties with very good dimensional stability. Suggestions for application:

Technical items with a wide range of stiffness. Information provided by Radici group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Radici-Raditer-B-RV-100-Polybutylene-Terephthalate-with-10-Glass-fiber.php](http://www.lookpolymers.com/polymer_Radici-Raditer-B-RV-100-Polybutylene-Terephthalate-with-10-Glass-fiber.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.36 g/cc	1.36 g/cc	ISO 1183
Moisture Absorption at Equilibrium	0.18 %	0.18 %	ISO 62

Mechanical Properties	Metric	English	Comments
Elongation at Break	75 %	75 %	ISO 527-2/1A
Tensile Modulus	4.40 GPa	638 ksi	ISO 527-2/1A
Flexural Strength	125 MPa	18100 psi	ISO 178/1A
Flexural Modulus	3.60 GPa	522 ksi	ISO 178/1A
Charpy Impact Unnotched	3.00 J/cm <sup>2</sup>	14.3 ft-lb/in <sup>2</sup>	ISO 179 eU
Charpy Impact, Notched	0.450 J/cm <sup>2</sup>	2.14 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 11357-1-3
Deflection Temperature at 0.46 MPa (66 psi)	220 °C	428 °F	ISO 75-2/Af
Deflection Temperature at 1.8 MPa (264 psi)	185 °C	365 °F	ISO 75-2/Af
Vicat Softening Point	200 °C @Load 5.10 kg	392 °F @Load 11.2 lb	50°C/h; ISO 306/B50
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	
Glow Wire Test	700 °C @Thickness 2.00 mm	1290 °F @Thickness 0.0787 in	CEI 695-2-1/2

## **Contact Songhan Plastic Technology Co.,Ltd.**

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