

Radici Raditer® B RVA 300 Polybutylene Terephthalate with 30% Glass fiber

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 30% Glass Fiber Filled

Material Notes:

Raditer® B RVA is a range of glass fiber reinforced Polybutylene terephthalate blends for injection molding, with excellent dimensional stability, low warpage and good surface aspect. Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Raditer-B-RVA-300-Polybutylene-Terephthalate-with-30-Glass-fiber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	ISO 1183
Moisture Absorption at Equilibrium	0.20 %	0.20 %	ISO 62
Linear Mold Shrinkage, Flow	0.0025 cm/cm	0.0025 in/in	ISO 294-4
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	ISO 294-4

Mechanical Properties	Metric	English	Comments
Elongation at Break	130 %	130 %	ISO 527-2/1A
Tensile Modulus	9.00 GPa	1310 ksi	ISO 527-2/1A
Flexural Strength	195 MPa	28300 psi	ISO 178/1A
Flexural Modulus	7.50 GPa	1090 ksi	ISO 178/1A
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179 eU
Charpy Impact, Notched	1.00 J/cm ²	4.76 ft-lb/in ²	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)	215 °C	419 °F	ISO 75-2/Af
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	ISO 75-2/Af
Vicat Softening Point	150 °C @Load 5.10 kg	302 °F @Load 11.2 lb	50°C/h; ISO 306/B50
Flammability, UL94	HB	HB	

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