

Radici Raditer® BRV300 Polybutylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 20% Glass Fiber Filled

Material Notes:

PBT Glass Fiber Reinforced Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Raditer-BRV300-Polybutylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.51 g/cc	1.51 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	125 MPa	18100 psi	ISO 527-1/2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/2
Tensile Modulus	10.15 GPa	1472 ksi	ISO 527-1/2
Flexural Strength	190 MPa	27600 psi	ISO 178
Flexural Modulus	7.50 GPa	1090 ksi	ISO 178
Charpy Impact Unnotched	6.60 J/cm ²	31.4 ft-lb/in ²	ISO 179/1eU
Charpy Impact, Notched	0.850 J/cm ²	4.04 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	225 °C	437 °F	ISO 1135 7-1-3
Deflection Temperature at 0.46 MPa (66 psi)	215 °C	419 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	205 °C	401 °F	ISO 75/2Af
Vicat Softening Point	210 °C	410 °F	ISO 306
Flammability, UL94	HB	HB	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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