

Radici Raditer® BN100 Polybutylene Terephthalate

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Unreinforced, Molded

Material Notes:

PBT General Purpose Information provided by Radici group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Radici-Raditer-BN100-Polybutylene-Terephthalate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.32 g/cc	1.32 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.0 MPa	8700 psi	ISO 527-1/2
Elongation at Break	35 %	35 %	ISO 527-1/2
Elongation at Yield	8.5 %	8.5 %	ISO 524-1/2
Tensile Modulus	2.75 GPa	399 ksi	ISO 527-1/2
Flexural Strength	80.0 MPa	11600 psi	ISO 178
Flexural Modulus	2.20 GPa	319 ksi	ISO 178
Charpy Impact, Notched	0.420 J/cm ²	2.00 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)	165 °C	329 °F	ISO 75/2Bf
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ISO 75/2Af
Vicat Softening Point	180 °C	356 °F	ISO 306
Flammability, UL94	HB @Thickness 0.800 mm	HB @Thickness 0.0315 in	

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