

Radici Radiflam® BN100 AE Polybutylene Terephthalate

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

Material Notes:

PBT Self-extinguishing with halogen Information provided by Radici group.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527-1/2
Elongation at Break	2.5 %	2.5 %	ISO 527-1/2
Tensile Modulus	3.10 GPa	450 ksi	ISO 527-1/2
Flexural Strength	90.0 MPa	13100 psi	ISO 178
Flexural Modulus	2.60 GPa	377 ksi	ISO 178
Charpy Impact, Notched	0.300 J/cm ²	1.43 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)	160 °C	320 °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	V-0 @Thickness 0.800 mm	V-0 @Thickness 0.0315 in	

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