

Radici Radiflam® BRV300 AE Polybutylene Terephthalate

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

Material Notes:

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

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	1.65 g/cc	1.65 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	115 MPa	16700 psi	ISO 527-1/2
Elongation at Break	1.5 %	1.5 %	ISO 527-1/2
Tensile Modulus	11.8 GPa	1710 ksi	ISO 527-1/2
Flexural Strength	180 MPa	26100 psi	ISO 178
Flexural Modulus	10.5 GPa	1520 ksi	ISO 178
Charpy Impact, Notched	0.950 J/cm²	4.52 ft-lb/in²	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)	220 °C	428 °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	V-0	V-0	
	@Thickness 0.800 mm	@Thickness 0.0315 in	

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