

Raditer® B RV200

Polybutylene Terephthalate

Radici Plastics

Message:

PBT 20% Glass Fiber reinforced injection moulding grade. Enhanced stiffness and dimensional stability. Natural colour

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Good dimensional stability		
	Rigid, good		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturated, 23°C	0.40	%	ISO 62
Equilibrium, 23°C, 50% RH	0.10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6700	MPa	ISO 527-2
Tensile Stress (Break)	105	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/eA
-30°C	5.3	kJ/m ²	ISO 179/eA
23°C	5.9	kJ/m ²	ISO 179/eA
Charpy Unnotched Impact Strength			ISO 179/eU
-30°C	29	kJ/m ²	ISO 179/eU
23°C	32	kJ/m ²	ISO 179/eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	210	°C	ISO 75-2/Bf
1.8 MPa, not annealed	195	°C	ISO 75-2/Af
Vicat Softening Temperature	205	°C	ISO 306/B50
Melting Temperature (DSC)	225	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.800 mm	HB	UL 94
1.60 mm	HB	UL 94

Additional Information

The value listed as Melting Temperature, ISO 3146, was tested in accordance with ISO 11357-1-3 at a heating rate of 10°C/min.

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