

Radilon® BGV/GK1 10/20 Black

Polyamide 6

Radici Plastics

Message:

Radilon® BGV/GK1 10/20 Black is a Polyamide 6 (Nylon 6) material filled with 20% glass bead and 10% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Radilon® BGV/GK1 10/20 Black are:

Flame Rated

Heat Resistant

General Information				
Filler / Reinforcement		Glass Bead,20% Filler by Weight		
		Glass Fiber,10% Filler by Weight		
Features		Good Heat Aging Resistance		
Appearance		Black		
Resin ID (ISO 1043)		PA6-GF10/GB20		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	1.9 to 2.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6000	3000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	105	60.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	8.0	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	35	80	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	210	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	180	--	°C	ISO 75-2/A
Melting Temperature ²	220	--	°C	ISO 3146
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
NOTE				
1.	Saturation			
2.	10°C/min			

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Recommended distributors for this material

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