

Radilon® BGV HZ 30 Black

Polyamide 6

Radici Plastics

Message:

Radilon® BGV HZ 30 Black is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Radilon® BGV HZ 30 Black are:

Flame Rated

Heat Resistant

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good Heat Aging Resistance		
		Impact Modified		
Appearance		Black		
Resin ID (ISO 1043)		PA6-I GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.32	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	1.7 to 2.1	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	8300	5200	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	130	90.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	10	%	ISO 527-2/1A/5
Flexural Modulus ²	7100	4500	MPa	ISO 178
Flexural Stress ³	200	120	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	15	--	kJ/m ²	
23°C	22	32	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	80	--	kJ/m ²	
23°C	90	100	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	210	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	--	°C	ISO 75-2/A
Melting Temperature ⁴	220	--	°C	ISO 3146

Flammability	Dry	Conditioned	Test Method
Flame Rating	HB	--	UL 94
NOTE			
1.	Saturation		
2.	2.0 mm/min		
3.	2.0 mm/min		
4.	10°C/min		

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Recommended distributors for this material

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