

Radilon® BGV HZ 15 Natural

Polyamide 6

Radici Plastics

Message:

Radilon® BGV HZ 15 Natural is a Polyamide 6 (Nylon 6) material filled with 15% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Radilon® BGV HZ 15 Natural are:

Flame Rated

Heat Resistant

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		Good Heat Aging Resistance		
		Impact Modified		
Appearance		Natural Color		
Resin ID (ISO 1043)		PA6-I-GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.21	--	g/cm ³	ISO 1183
Water Absorption ¹ (Equilibrium, 23°C, 1.00 mm, 50% RH)	2.2 to 2.6	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	5300	3000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	115	65.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	5.0	20	%	ISO 527-2/1A/5
Flexural Modulus ²	4600	2500	MPa	ISO 178
Flexural Stress ³	145	80.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	7.0	--	kJ/m ²	
23°C	17	30	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	--	kJ/m ²	
23°C	80	110	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	170	--	°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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