

Radilon® BGV HZ 15 Black

Polyamide 6

Radici Plastics

Message:

Radilon® BGV HZ 15 Black 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 Black are:

Flame Rated

Heat Resistant

Typical application of Radilon® BGV HZ 15 Black: Automotive

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Features		Good Heat Aging Resistance Impact Modified		
Appearance		Black		
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)	110	60.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0	18	%	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	6.0	--	kJ/m ²	
23°C	15	27	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	55	--	kJ/m ²	
23°C	75	100	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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