

Radilon® BGV HZ 30 Natural

Polyamide 6

Radici Plastics

Message:

Radilon® BGV HZ 30 Natural 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 Natural are:

Flame Rated

Heat Resistant

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Features		Good Heat Aging Resistance		
		Impact Modified		
Appearance		Natural Color		
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)	135	95.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.5	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	17	--	kJ/m ²	
23°C	25	35	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	90	--	kJ/m ²	
23°C	100	110	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		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

