

Radilon® BGK 30 Natural

Polyamide 6

Radici Plastics

Message:

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

Important attributes of Radilon® BGK 30 Natural are:

Flame Rated

Heat Resistant

General Information				
Filler / Reinforcement		Glass Bead,30% Filler by Weight		
Features		Good Heat Aging Resistance		
Appearance		Natural Color		
Resin ID (ISO 1043)		PA6-GK30		
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	4300	2000	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	80.0	55.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	7.0	14	%	ISO 527-2/1A/5
Flexural Modulus ²	4000	1800	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	30	60	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	180	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	--	°C	ISO 75-2/A
Melting Temperature ³	220	--	°C	ISO 3146
Flammability	Dry	Conditioned	Test Method	
Flame Rating	HB	--	UL 94	
NOTE				
1.	Saturation			
2.	2.0 mm/min			
3.	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

