

AKROMID® B3 GK 15 natural (1824)

Polyamide 6

AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GK 15 natural (1824) is a 15% glass bead filled polyamide 6 with low warpage, high surface finish and light inherent color

Applications are housings and covers in the automotive-, electro- and furniture industry

General Information			
Filler / Reinforcement	Glass Bead, 15% Filler by Weight		
Features	Good Surface Finish		
	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Furniture		
	Housings		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA6 GB15		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.23	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4000	MPa	ISO 527-2/1
Tensile Stress (Break)	85.0	MPa	ISO 527-2/5
Tensile Strain (Break)	4.5	%	ISO 527-2/5
Flexural Modulus ¹	3600	MPa	ISO 178
Flexural Stress ²	125	MPa	ISO 178
Flexural Strain at Break ³	6.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	2.7	kJ/m ²	
23°C	2.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	35	kJ/m ²	
23°C	30	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	186	°C	ISO 75-2/B
1.8 MPa, Unannealed	67.0	°C	ISO 75-2/A
Melting Temperature ⁴	222	°C	DIN EN 11357-1

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	960	°C	IEC 60695-2-12
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	2 mm/min		
4.	10 K/min, DSC		

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

