

AKROMID® B3 GK 30 natural (3057)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GK 30 natural (3057) is a 30% glass bead filled polyamide 6 with low warpage and 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,30% 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 GB30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.950	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4200	MPa	ISO 527-2/1
Tensile Stress (Break)	60.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Flexural Modulus ¹	3100	MPa	ISO 178
Flexural Stress ²	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	185	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Melting Temperature ³	222	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ⁴ (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

3.	10 K/min, DSC
4.	>1 mm

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