

AKROMID® B3 GK 30 black (3788)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GK 30 black (3788) is a 30% glass bead filled polyamide 6 with low warpage and high surface appearance
Applications are housings and covers in the automotive-, electro- and furniture industry

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	Low Warpage		
	Pleasing Surface Appearance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Furniture		
	Housings		
Appearance	Black		
Resin ID (ISO 1043)	PA6 GB30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Spiral Flow	34.0	cm	Internal Method
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	1.1	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2/1
Tensile Stress (Break)	75.0	MPa	ISO 527-2/5
Tensile Strain (Break)	> 3.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m ²	
23°C	3.5	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	30	kJ/m ²	
23°C	40	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
8.0 MPa, Unannealed	50.0	°C	ISO 75-2/C

Melting Temperature ¹	222	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
NOTE			
1.	10 K/min, DSC		
2.	>1 mm		

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