

AKROMID® B3 GM 15/15 black (1830)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GM 15/15 black (1830) is a 15% glass fibre and 15% glass bead reinforced polyamide 6 with good surface and low warpage
Applications are handles and switches in the automotive and electro industry.

General Information			
Filler / Reinforcement	Glass Bead,15% Filler by Weight		
	Glass Fiber,15% Filler by Weight		
Features	Good Surface Finish		
	Low Warpage		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Handles		
	Switches		
Appearance	Black		
Resin ID (ISO 1043)	PA6 GF15 + GB15		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.34	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.30	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7200	MPa	ISO 527-2/1
Tensile Stress (Break)	130	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	64	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	221	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
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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