

# AKROMID® B3 M 30 1 black (1831)

Polyamide 6  
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 M 30 1 black (1831) is a 30 % mineral filled, heat stabilised polyamide 6 with very good surface and low warpage. Characteristic applications are chrome-plated handles, housings and switches in the automotive as well as covers in the sanitary industry.

General Information			
Filler / Reinforcement	Mineral,30% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Surface Finish		
	Heat Stabilized		
	Low Warpage		
Uses	Automotive Applications		
	Handles		
	Housings		
	Sanitary Products		
	Switches		
Appearance	Black		
Resin ID (ISO 1043)	PA6 M30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.37	g/cm <sup>3</sup>	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4600	MPa	ISO 527-2/1
Tensile Stress (Break)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break)	5.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	85	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	70.0	°C	ISO 75-2/A
Melting Temperature <sup>1</sup>	220	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate <sup>2</sup> (1.00 mm)	< 100	mm/min	FMVSS 302
NOTE			
1.	10 K/min, DSC		
2.	>1 mm		

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#### Recommended distributors for this material

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