

AKROMID® B3 GM 10/20 1 black 950058

(1829)

Polyamide 6

AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GM 10/20 1 black 950058 (1829) is a 10% glass fibre reinforced, 20% glass bead filled, heat stabilised polyamide 6 with good surface and low warpage

Application areas are housings, handles and switches in the automotive industry

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Surface Finish		
	Heat Stabilized		
	Low Warpage		
Uses	Automotive Applications		
	Handles		
	Housings		
	Switches		
Appearance	Black		
Resin ID (ISO 1043)	PA6 GF10 + GB20		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6200	MPa	ISO 527-2/1
Tensile Stress (Break)	115	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	42	kJ/m²	
23°C	45	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (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

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|----|---------------|
| 1. | 10 K/min, DSC |
| 2. | >1 mm |

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