

AKROMID® B3 GFM 10/20 1 L black (4679)

Polyamide 6 + PP
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GFM 10/20 1 L black (4679) is a 10% glass fibre reinforced and 20% mineral filled, heat stabilised polyamide-blend with a reduced density compared to standard PA6 GF10 + M20
Applications are mainly optical components in the automotive and electronic industry, where a weight and cost reduction is required

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
	Mineral,20% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low Density		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Optical Applications		
Appearance	Black		
Resin ID (ISO 1043)	PA6 + PP GF10 + M20		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.27	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	16.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.1	%	
Flow	0.70	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1
Tensile Stress (Break)	80.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.5	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	156	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	DIN EN 11357-1

Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	30	%	ISO 1172
NOTE			
1.	10 K/min, DSC		
2.	>1 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

