

AKROMID® B3 GF 25 1 L natural (4781)

Polyamide 6 + PP
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 25 1 L natural (4781) is a 25% glass fibre reinforced and heat stabilised polyamide-blend with a reduced density compared to standard PA6 GF 25 and light inherent colour
Applications are mainly technical components in the automotive and electronic industry, where a weight and cost reduction is required

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low Density		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA6 + PP GF25		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.22	g/cm ³	ISO 1183
Humidity Absorption - 62% RH (70°C)	1.5	%	ISO 1110
Reinforcement Content	25	%	ISO 1172
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)	3.3	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	70	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	217	°C	ISO 75-2/B
1.8 MPa, Unannealed	195	°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
NOTE			
1.	10 K/min, DSC		
2.	>1 mm		

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