

AKROMID® B3 GF 30 2 white (3783)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 30 2 white (3783) is a 30% glass fibre reinforced, UV-stabilised polyamide 6 with high stiffness and strength. Applications are technical components in all industries

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	UV Stabilizer		
Features	High Stiffness		
	High Strength		
Uses	Industrial Applications		
Appearance	White		
Resin ID (ISO 1043)	PA6 GF30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.40	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9700	MPa	ISO 527-2/1
Tensile Stress (Break)	175	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	8100	MPa	ISO 178
Flexural Stress ²	245	MPa	ISO 178
Flexural Strain at Break ³	4.0	%	ISO 178
Reinforcement Content	30	%	ISO 1172
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m ²	
23°C	11	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	75	kJ/m ²	
23°C	75	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	205	°C	ISO 75-2/A
Melting Temperature ⁴	222	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ⁵ (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
NOTE			

1.	2.0 mm/min
2.	2.0 mm/min
3.	2 mm/min
4.	10 K/min, DSC
5.	>1 mm

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