

AKROMID® B3 GF 15 S3 natural (2547)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 15 S3 natural (2547) is a 15% glass fibre reinforced, dry impact modified polyamide 6 with medium stiffness and rigidity and light inherent color.
Applications are highly integrated housings in the automotive, electro and furniture industry

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Impact Modifier		
Features	Good Stiffness		
	Impact Modified		
	Medium Rigidity		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Furniture		
	Housings		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA6-I GF 15		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5500	MPa	ISO 527-2/1
Tensile Stress (Break)	120	MPa	ISO 527-2/5
Tensile Strain (Break)	5.5	%	ISO 527-2/5
Flexural Modulus ¹	4000	MPa	ISO 178
Flexural Stress ²	160	MPa	ISO 178
Flexural Strain at Break ³	8.5	%	ISO 178
Reinforcement Content	15	%	ISO 1172
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	7.0	kJ/m ²	
23°C	15	kJ/m ²	
Charpy Unnotched Impact Strength (23°C)	80	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	216	°C	ISO 75-2/B
1.8 MPa, Unannealed	195	°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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