

AKROMID® A3 GF 25 3 black (3094)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 GF 25 3 black (3094) is a 25% glass fibre reinforced, nucleated polyamide 6.6 with high stiffness and strength
Applications are mainly components in mechanical engineering and in the automotive industry

General Information			
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Nucleating Agent		
Features	High Stiffness		
	High Strength		
	Nucleated		
Uses	Engineered Applications		
Appearance	Black		
Resin ID (ISO 1043)	PA66 GF25		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.32	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2/1
Tensile Stress (Break)	160	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Flexural Modulus ¹	6600	MPa	ISO 178
Flexural Stress ²	230	MPa	ISO 178
Flexural Strain at Break ³	3.6	%	ISO 178
Reinforcement Content	25	%	ISO 1172
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	45	kJ/m ²	
23°C	50	kJ/m ²	
Notched Izod Impact Strength (23°C)	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ⁴	262	°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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