

AKROMID® A3 GF 30 4 black (3571)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 GF 30 4 black (3571) is a 30% glass fibre reinforced, hydrolysis-/ chemical stabilised polyamide 6.6 with high stiffness and strength
Applications are functional parts in the heating- and cooling system in the automotive industry

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Hydrolysis Resistant		
Features	High Stiffness		
	High Strength		
Uses	Automotive Applications		
Appearance	Black		
Resin ID (ISO 1043)	PA66 GF30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.36	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11500	MPa	ISO 527-2/1
Tensile Stress (Break)	210	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	%	ISO 527-2/5
Flexural Modulus ¹	10000	MPa	ISO 178
Flexural Stress ²	310	MPa	ISO 178
Flexural Strain at Break ³	4.5	%	ISO 178
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)	100	kJ/m ²	ISO 179/1eU
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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