

AKROMID® A28 GF 50 1 GIT black (5029)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A28 GF 50 1 GIT black (5029) is a 50% glass fibre reinforced, heat stabilised, easy flowing polyamide 6.6 with high stiffness and strength, for gas injection technology.
Applications are engineering parts, which are produced by gas injection technology. Furthermore AKROMID® A28 GF 50 1 GIT black (5029) can be used for standard injection moulding for demanding surface quality.

General Information			
Filler / Reinforcement	Glass Fiber,50% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Flow		
	Good Surface Finish		
	Heat Stabilized		
	High Stiffness		
	High Strength		
Uses	Engineering Parts		
Appearance	Black		
Processing Method	Gas-Assisted Injection Molding		
	Injection Molding		
Resin ID (ISO 1043)	PA66 GF50		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.57	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	17500	MPa	ISO 527-2/1
Tensile Stress (Break)	270	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	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 ¹	260	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	50	%	ISO 1172
NOTE			

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|----|---------------|
| 1. | 10 K/min, DSC |
| 2. | >1 mm |

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