

# AKROMID®

B28 GF 50 1 GIT black (4732)  
PA6 GF50

**AKRO-PLASTIC GmbH**

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## Preliminary Datasheet

### Description

AKROMID® B28 GF 50 1 GIT black (4732) is a 50% glass fibre reinforced, heat stabilized, easy flowing polyamide 6 with very high stiffness and strength for gas injection technology.

### Applications

Applications are engineering parts, which are produced by gas injection technology. Furthermore B28 GF 50 1 GIT black (4732) can be used for standard injection moulding for demanding surface quality.

Typical values	Test specification	Method	Unit	Value	
				d.a.m.	moist.*

### Mechanical Properties

Tensile modulus	1 mm/min	ISO 527-2	MPa	16700	10500
Tensile stress at break	5 mm/min	ISO 527-2	MPa	235	150
Elongation at break	5 mm/min	ISO 527-2	%	3	4,5
Charpy impact strength	23°C	ISO 179-1/1eU	kJ/m <sup>2</sup>	105	105
Charpy notched impact strength	23°C	ISO 179-1/1eA	kJ/m <sup>2</sup>	20	25

### Thermal Properties

				d.a.m.
Melting Point	DSC, 10K/min	DIN EN 11357-1	°C	220

### Flammability

Flammability	1,6 mm	UL 94	class	HB
Burning rate (< 100 mm/min)	> 1 mm thickness	FMVSS 302	mm/min	+

### General Properties

Density	23°C	ISO 1183	g/cm <sup>3</sup>	1,55
Content reinforcement		ISO 1172	%	50
Humidity absorption	70°C, 62% r.h.	ISO 1110	%	1,65

\* moist. = specimen acc. ISO 1110 stored

#### AKRO-PLASTIC GmbH

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