

AKROMID® B3 GF 30 2 GIT black (4618)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 30 2 GIT black (4618) is a 30% glass fibre reinforced, UV-stabilised polyamide 6 with high rigidity and strength and for gas injection technology
Applications are engineering parts, which are produced by gas injection technology. Furthermore B3 GF 30 2 GIT black (4618) can be used for standard injection moulding for demanding surface quality.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		UV Stabilizer		
Features		Good Surface Finish		
		Good UV Resistance		
		High Rigidity		
		High Strength		
Uses		Engineering Parts		
Appearance		Black		
Processing Method		Gas-Assisted Injection Molding		
		Injection Molding		
Resin ID (ISO 1043)		PA6 GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.36	--	g/cm ³	ISO 1183
Humidity Absorption - 62% RH (70°C)	2.2	--	%	ISO 1110
Reinforcement Content	30	--	%	ISO 1172
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9100	5500	MPa	ISO 527-2/1
Tensile Stress (Break)	175	110	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	5.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	17	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	75	80	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ¹	220	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	--	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB	--		UL 94

NOTE

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

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