

# AKROMID® B28 ICF 20 RM-D GIT black (5517)

Polyamide 6

AKRO-PLASTIC GmbH

## Message:

AKROMID® B28 ICF 20 RM-D GIT black (5517) is a 20% carbon fibre, easy flowing polyamide 6 with average stiffness and strength with limited moisture absorption and for gas injection technology.

Applications are engineering parts, which are produced by gas injection technology. Furthermore AKROMID® B28 ICF 20 RM-D GIT black (5517) can be used for standard injection moulding for demanding surface quality.

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Good Flow Good Stiffness Good Surface Finish Low Moisture Absorption Medium Strength		
Uses	Engineering Parts		
Appearance	Black		
Processing Method	Gas-Assisted Injection Molding Injection Molding		
Resin ID (ISO 1043)	PA6 + ABS CF20		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14900	MPa	ISO 527-2/1
Tensile Stress (Break)	165	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	44	kJ/m <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>1</sup>	220	°C	DIN EN 11357-1
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	20	%	ISO 1172
NOTE			

1. 10 K/min, DSC

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