

AKROMID® B3 GF 40 S1 black (3384)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 40 S1 black (3384) is a 40% glass fibre reinforced, cold impact strength polyamide 6 with very high rigidity and strength
Applications are mainly components in mechanical engineering and in the automotive industry

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	High Rigidity		
	High Strength		
	Low Temperature Impact Resistance		
Uses	Engineered Applications		
Appearance	Black		
Resin ID (ISO 1043)	PA6-I GF40		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12000	MPa	ISO 527-2/1
Tensile Stress (Break)	185	MPa	ISO 527-2/5
Tensile Strain (Break)	4.5	%	ISO 527-2/5
Flexural Modulus ¹	10400	MPa	ISO 178
Flexural Stress ²	280	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	19	kJ/m²	
23°C	22	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	120	kJ/m²	
23°C	120	kJ/m²	
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	40	%	ISO 1172
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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