

AKROMID® B3 GF 47 1 TM black (4936)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 47 1 TM black (4936) is a 47% glass fibre reinforced, heat stabilised polyamide 6.
Applications are sliding parts in mechanical engineering.

General Information			
Filler / Reinforcement	Glass Fiber,47% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Uses	Engineering Parts		
	Machine/Mechanical Parts		
Appearance	Black		
Resin ID (ISO 1043)	PA6 GF47		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.50	g/cm³	ISO 1183
Spiral Flow	50.0	cm	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14000	MPa	ISO 527-2/1
Tensile Stress (Break)	180	MPa	ISO 527-2/5
Tensile Strain (Break)	2.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	65	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	DIN EN 11357-1
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	47	%	ISO 1172
NOTE			

1. 10 K/min, DSC

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