

AKROMID® B3 GF 15 1 L natural (4690)

Polyamide 6 + PP
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 15 1 L natural (4690) is a 15% glass fibre reinforced and heat stabilised polyamide-blend with a reduced density compared to standard PA6 GF 15
Applications are mainly technical components in the automotive and electronic industry, where a weight and cost reduction is required

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low Density		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA6 + PP GF15		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	25.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5200	MPa	ISO 527-2/1
Tensile Stress (Break)	110	MPa	ISO 527-2/5
Tensile Strain (Break)	3.3	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	60	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	190	°C	ISO 75-2/A
Melting Temperature ¹	220	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	15	%	ISO 1172
NOTE			
1.	10 K/min, DSC		

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