

AKROMID® B3 GF 30 2 RM-D black (3424)

Polyamide 6 + ABS
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 30 2 RM-D black (3424) is a 30% glass fibre reinforced, UV-stabilised polyamide 6 with limited moisture absorption. Applications are interior and exterior parts in the automotive industry.

General Information				
Filler / Reinforcement		Glass Fiber,30% Filler by Weight		
Additive		Heat Stabilizer		
		UV Stabilizer		
Features		Low Moisture Absorption		
Uses		Automotive Applications		
		Automotive Exterior Parts		
		Automotive Interior Parts		
Appearance		Black		
Processing Method		Injection Molding		
Resin ID (ISO 1043)		PA6 + ABS GF30		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.33	--	g/cm ³	ISO 1183
Spiral Flow	50.0	--	cm	Internal Method
Molding Shrinkage				ISO 294-4
Across Flow	0.55	--	%	
Flow	0.30	--	%	
Humidity Absorption - 62% RH (70°C)	1.4	--	%	ISO 1110
Reinforcement Content	30	--	%	ISO 1172
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 961/30)	195	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9300	7000	MPa	ISO 527-2/1
Tensile Stress (Break)	145	110	MPa	ISO 527-2/5
Tensile Strain (Break)	2.3	3.0	%	ISO 527-2/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	11	9.0	kJ/m ²	
23°C	13	11	kJ/m ²	

Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	50	45	kJ/m ²	
23°C	55	50	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	175	--	°C	ISO 75-2/A
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				
1.	10 K/min, DSC			
2.	> 1 mm			

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