

AKROMID® B3 GF 40 9 RM-M natural (3414)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 40 9 RM-M natural (3414) is a 40% glass fibre reinforced and process improved polyamide 6 with high stiffness and strength, limited moisture absorption and light inherent color.
Applications are housings and other dimensional stable parts in the automotive and electronic industry

General Information			
Filler / Reinforcement	Glass Fiber,40% Filler by Weight		
Features	Good Dimensional Stability		
	High Stiffness		
	High Strength		
	Low Moisture Absorption		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Housings		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA6 + X GF40		
Physical	Nominal Value	Unit	Test Method
Spiral Flow	56.0	cm	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13500	MPa	ISO 527-2/1
Tensile Stress (Break)	200	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	17	kJ/m²	
23°C	17	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	72	kJ/m²	
23°C	76	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
1.8 MPa, Unannealed	208	°C	ISO 75-2/A
8.0 MPa, Unannealed	160	°C	ISO 75-2/C
Melting Temperature ¹	225	°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	40	%	ISO 1172
NOTE			
1.	10 K/min, DSC		
2.	>1 mm		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT