

AKROMID® B3 GF 45 1 black (3446)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 GF 45 1 black (3446) is a 45% glass fibre reinforced, heat stabilised polyamide 6 with very high rigidity and strength
Applications are mainly components in mechanical engineering and in the automotive industry and highly stressed parts in the sports and leisure industry

General Information			
UL YellowCard	E148915-101075626		
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	High Rigidity		
	High Strength		
Uses	Automotive Applications		
	Engineering Parts		
	Machine/Mechanical Parts		
	Sporting Goods		
Appearance	Black		
Resin ID (ISO 1043)	PA6 GF45		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.50	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	14500	MPa	ISO 527-2/1
Tensile Stress (Break)	200	MPa	ISO 527-2/5
Tensile Strain (Break)	4.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	95	kJ/m²	
23°C	110	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	220	°C	DIN EN 11357-1
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms · cm	IEC 60093
NOTE			
1.	10 K/min, DSC		

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

