

AKROMID® A28 GF 15 1 natural (4382)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A28 GF 15 1 natural (4382) is a 15% glass fibre reinforced, heat stabilised, easy flowing polyamide 6.6 with average stiffness and strength and light inherent color
Applications are components and housings mainly in mechanical engineering and in the automotive industry.

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Flow		
	Good Stiffness		
	Heat Stabilized		
	Medium Strength		
Uses	Automotive Applications		
	Engineering Parts		
	Housings		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA66 GF15		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.24	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	68.0	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.4	%	
Flow	0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6000	MPa	ISO 527-2/1
Tensile Stress (Break)	130	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	40	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	260	°C	ISO 75-2/B
1.8 MPa, Unannealed	245	°C	ISO 75-2/A
Melting Temperature ¹	262	°C	DIN EN 11357-1
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+12	ohms·cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Flammability Index (1.60 mm)	650	°C	IEC 60695-2-12
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