

AKROMID® B3 natural (1024)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 natural (1024) is an unreinforced polyamide 6 with light inherent color
Applications are handles and metal fittings in the electro- and electronic market as well as in the furniture industry, and parts in food industry

General Information				
Uses		Electrical/Electronic Applications		
		Fittings		
		Furniture		
		Handles		
		Non-specific Food Applications		
Appearance		Natural Color		
Resin ID (ISO 1043)		PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.13	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.3	--	%	
Flow	1.1	--	%	
Water Absorption (Saturation, 23°C)	9.0 to 10	--	%	ISO 62
Humidity Absorption - 62% RH (70°C)	2.5	--	%	ISO 1110
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3200	910	MPa	ISO 527-2/1
Tensile Stress (Yield)	83.0	43.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	4.0	20	%	
Break	> 30	> 100	%	
Flexural Modulus ¹	3200	1100	MPa	ISO 178
Flexural Stress ²	120	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.0	--	kJ/m ²	
23°C	5.0	25	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	--		
23°C	No Break	No Break		

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	160	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	--	°C	ISO 75-2/A
Melting Temperature ³	222	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ⁴ (1.00 mm)	< 100	--	mm/min	FMVSS 302
Flame Rating (1.60 mm)	V-2	--		UL 94
Glow Wire Flammability Index (1.60 mm)	750	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (1.60 mm)	675	--	°C	IEC 60695-2-13
NOTE				
1.	2.0 mm/min			
2.	2.0 mm/min			
3.	10 K/min, DSC			
4.	> 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