

AKROMID® B3 1 S1 black (4124)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 1 S1 black (4124) is a nonreinforced, heat stabilised, cold impact strength polyamide 6
Applications are clip connectors and integral hinge in the automotiv-, electric- and furniture industry

General Information				
Additive		heat stabilizer		
Features		Low temperature impact resistance		
		Thermal Stability		
Uses		Electrical/Electronic Applications		
		Active hinge		
		Furniture		
		Connector		
		Application in Automobile Field		
Appearance		Black		
Resin ID (ISO 1043)		PA6-I		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.10	--	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	95.0	--	cm ³ /10min	ISO 1133
Molding Shrinkage				ISO 294-4
Transverse flow	1.5	--	%	ISO 294-4
Flow	1.1	--	%	ISO 294-4
Humidity Absorption - 62% RH (70°C)	2.7	--	%	ISO 1110
Flexural Strain at Break ¹	6.0	--	%	ISO 178
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2300	760	MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0	35.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	4.0	30	%	ISO 527-2/50
Fracture	> 25	> 100	%	ISO 527-2/50
Flexural Modulus ²	2330	--	MPa	ISO 178
Flexural Stress ³	85.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA

-30°C	15	--	kJ/m ²	ISO 179/1eA
23°C	20	100	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	55.0	--	°C	ISO 75-2/A
Melting Temperature ⁴	225	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned		Test Method
Flame Rating (1.6 mm)	HB	--		UL 94
NOTE				
1.	2 mm/min			
2.	2.0 mm/min			
3.	2.0 mm/min			
4.	10°C/min			

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