

AKROMID® A3 5 black (4701)

Polyamide 66
AKRO-PLASTIC GmbH

Message:
AKROMID® A3 5 black (4701) is an unreinforced, high temperature stabilised polyamide 6.6
Applications are housings and fixtures in the automotive and electric industry

General Information				
Additive		Heat Stabilizer		
Features		Heat Stabilized		
Uses		Automotive Applications		
		Electrical/Electronic Applications		
		Housings		
Appearance		Black		
Resin ID (ISO 1043)		PA66		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.14	--	g/cm ³	ISO 1183
Spiral Flow	127	--	cm	Internal Method
Molding Shrinkage				ISO 294-4
Across Flow	1.5	--	%	
Flow	1.1	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3500	1450	MPa	ISO 527-2/1
Tensile Stress (Yield)	90.0	55.0	MPa	ISO 527-2/50
Tensile Strain				ISO 527-2/50
Yield	4.5	--	%	
Break	12	> 30	%	
Flexural Modulus ¹	3200	--	MPa	ISO 178
Flexural Stress ²	125	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	220	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	--	°C	ISO 75-2/A
Melting Temperature ³	260	--	°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
Additional Information	Dry	Conditioned	Unit	Test Method
Reinforcement Content	2.0	--	%	ISO 1172
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

