

AKROMID® A3 1 L natural (4800)

Polyamide 66 + PP
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 1 L natural (4800) is a unreinforced and heat stabilised polyamide-blend with a reduced density compared to standard PA66
Applications are mainly technical components in the automotive and electronic industry, where a weight and cost reduction is required

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
	Low Density		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA66 + PP		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.04	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	35.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ISO 527-2/1
Tensile Stress (Yield)	55.0	MPa	ISO 527-2/50
Tensile Strain (Break)	30	%	ISO 527-2/50
Flexural Modulus ¹	2100	MPa	ISO 178
Flexural Stress ²			ISO 178
-- ³	65.0	MPa	
--	80.0	MPa	
Flexural Strain at Break ⁴	7.0	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	150	°C	ISO 75-2/B
1.8 MPa, Unannealed	65.0	°C	ISO 75-2/A
Melting Temperature ⁵	262	°C	DIN EN 11357-1
Flammability	Nominal Value	Unit	Test Method
Burning Rate ⁶ (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	HB		UL 94

NOTE	
1.	2.0 mm/min
2.	2.0 mm/min
3.	Standard Flexural Stress
4.	2 mm/min
5.	10 K/min, DSC
6.	>1 mm

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