

AKROMID® A3 1 S3 natural (2847)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

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General Information			
Additive	Heat Stabilizer		
Features	Good Flow		
	Good Impact Resistance		
	Heat Stabilized		
Appearance	Natural Color		
Resin ID (ISO 1043)	PA66-I		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.11	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	55.0	cm³/10min	ISO 1133
Humidity Absorption - 62% RH (70°C)	2.5	%	ISO 1110
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress (Yield)	67.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	4.3	%	
Break	20	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	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	194	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Melting Temperature ¹	260	°C	DIN EN 11357-1
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
NOTE			
1.	10 K/min, DSC		

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