

AKROMID® A3 4 S1 black (2895)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 4 S1 black (2895) is an unreinforced, hydrolysis/chemical stabilised, cold impact strength polyamide 6.6
Applications are connectors and fixtures for the automotive electro and furniture industry, if high impact resistance at low temperatures is required.

General Information			
Additive	Hydrolysis Resistant		
Features	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Automotive Electronics		
	Connectors		
	Furniture		
Appearance	Black		
Resin ID (ISO 1043)	PA66-I		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.07	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.7	%	
Flow	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ISO 527-2/1
Tensile Stress (Yield)	50.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 15	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	> 70	kJ/m ²	
23°C	> 80	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	80.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	64.0	°C	ISO 75-2/A
Melting Temperature ¹	265	°C	DIN EN 11357-1
NOTE			
1.	10 K/min, DSC		

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