

AKROMID® B3 S3 natural (3669)

Polyamide 6
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 S3 natural (3669) is an unreinforced, dry impact resistant polyamide 6 with light inherent color
Applications are mountings and dowels in the furniture and construction industry

General Information				
Features		Good Impact Resistance		
Uses		Furniture		
		Industrial Applications		
Appearance		Natural Color		
Resin ID (ISO 1043)		PA6-I		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.05	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.8	--	%	
Flow	1.2	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2000	650	MPa	ISO 527-2/1
Tensile Stress (Yield)	48.0	30.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 40	> 100	%	ISO 527-2/50
Flexural Modulus ¹	1900	650	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	15	--	kJ/m ²	
23°C	> 60	--	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	111	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	52.0	--	°C	ISO 75-2/A
Melting Temperature ²	224	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate ³ (1.00 mm)	< 100	--	mm/min	FMVSS 302

Flame Rating (0.800 mm)	HB	--	UL 94
NOTE			
1.	2.0 mm/min		
2.	10 K/min, DSC		
3.	>1 mm		

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