

AKROMID® B3 2 RM-D black (3254)

Polyamide 6 + ABS
AKRO-PLASTIC GmbH

Message:

AKROMID® B3 2 RM-D black (3254) is a nonreinforced, UV-stabilised polyamide 6 with limited moisture absorption
Applications are interior and exterior parts with improved impact strength in the automotive industry

General Information				
Additive		UV Stabilizer		
Features		Good Impact Resistance		
		Low Moisture Absorption		
Uses		Automotive Applications		
		Automotive Exterior Parts		
		Automotive Interior Parts		
Appearance		Black		
Resin ID (ISO 1043)		PA6 + ABS		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.10	--	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	30.0	--	cm³/10min	ISO 1133
Spiral Flow	65.0	--	cm	Internal Method
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.80	--	%	
Humidity Absorption - 62% RH (70°C)	1.7	--	%	ISO 1110
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	1500	MPa	ISO 527-2/1
Tensile Stress (Yield)	60.0	45.0	MPa	ISO 527-2/50
Tensile Strain (Break)	> 30	> 100	%	ISO 527-2/50
Flexural Modulus ¹	2300	--	MPa	ISO 178
Flexural Stress	70.0	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	10	11	kJ/m²	
23°C	15	17	kJ/m²	
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	100	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	--	°C	ISO 75-2/A
Melting Temperature ²	225	--	°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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