

AKROMID® A3 GK 30 black (2306)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 GK 30 black (2306) is a 30% glass bead filled polyamide 6.6 with low warpage and high surface appearance
Application areas are highly integrated housings in the appliance industry

General Information			
Filler / Reinforcement	Glass Bead,30% Filler by Weight		
Features	Good Surface Finish		
	Low Warpage		
Uses	Appliances		
	Housings		
Appearance	Black		
Resin ID (ISO 1043)	PA66 GB30		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.35	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.3	%	
Flow	1.1	%	
Water Absorption (Saturation, 23°C)	5.8	%	ISO 62
Humidity Absorption - 62% RH (70°C)	2.0	%	ISO 1110
Reinforcement Content	30	%	ISO 1172
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1
Tensile Stress (Break)	90.0	MPa	ISO 527-2/5
Tensile Strain (Break)	7.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	28	kJ/m ²	ISO 179/1eU
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index (Solution A)	500	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate ¹ (1.00 mm)	< 100	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB		UL 94
NOTE			

1.

>1 mm

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