

# AKROMID® A3 GF 15 4 black (3127)

Polyamide 66  
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 GF 15 4 black (3127) is a 15% glass fibre reinforced, hydrolysis/chemical stabilised polyamide 6.6 with medium stiffness and strength. Applications are components and housings mainly in mechanical engineering and in the automotive industry.

General Information				
Filler / Reinforcement		Glass Fiber,15% Filler by Weight		
Additive		Hydrolysis Resistant		
Features		Good Stiffness		
		Medium Strength		
Uses		Automotive Applications		
		Engineering Parts		
		Housings		
Appearance		Black		
Resin ID (ISO 1043)		PA66 GF15		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.24	--	g/cm <sup>3</sup>	ISO 1183
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	6100	3700	MPa	ISO 527-2/1
Tensile Stress (Break)	150	80.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.5	12	%	ISO 527-2/5
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	245	--	°C	ISO 75-2/A
Melting Temperature <sup>1</sup>	262	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate <sup>2</sup> (1.00 mm)	< 100	--	mm/min	FMVSS 302
Flame Rating (1.60 mm)	HB	--		UL 94
Additional Information	Dry	Conditioned	Unit	Test Method
Reinforcement Content	15	--	%	ISO 1172
NOTE				
1.	10 K/min, DSC			
2.	>1 mm			

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