

AKROMID® A3 ICF 20 S1 black (5057)

Polyamide 66
AKRO-PLASTIC GmbH

Message:

AKROMID® A3 ICF 20 S1 black (5057) is a 20% carbon fibre reinforced polyamide 6.6 with high flexural strength and good sliding properties
Applications are mechanically high stressed parts in all industries

General Information				
Filler / Reinforcement		Carbon Fiber,20% Filler by Weight		
Features		High Strength		
Appearance		Black		
Resin ID (ISO 1043)		PA66-I CF20		
Physical	Dry	Conditioned	Unit	Test Method
Density (23°C)	1.18	--	g/cm³	ISO 1183
Humidity Absorption - 62% RH (70°C)	1.9	--	%	ISO 1110
Flexural Strain at Break ¹	3.0	--	%	ISO 178
Reinforcement Content	20	--	%	ISO 1172
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	11100	6500	MPa	ISO 527-2/1
Tensile Stress (Break)	130	95.0	MPa	ISO 527-2/5
Tensile Strain (Break)	3.0	6.0	%	ISO 527-2/5
Flexural Modulus ²	10000	--	MPa	ISO 178
Flexural Stress ³	210	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	50	65	kJ/m²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	240	--	°C	ISO 75-2/A
Melting Temperature ⁴	262	--	°C	DIN EN 11357-1
Flammability	Dry	Conditioned	Test Method	
Flame Rating (1.60 mm)	HB	--	UL 94	
NOTE				
1.	2 mm/min			
2.	2.0 mm/min			
3.	2.0 mm/min			
4.	10 K/min, DSC			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT