

AKROMID® T1 GF 60 black (3419)

Polyphthalamide
AKRO-PLASTIC GmbH

Message:

AKROMID® T1 GF 60 black (3419) is a 60% glass fibre reinforced polyphthalamide with very high rigidity and strength, as well as high temperature and chemical resistance
Applications are parts with tight dimensional tolerances even under high mechanical load.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 60% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	High strength		
	Good chemical resistance		
	Heat resistance, high		
Appearance	Black		
Resin ID (ISO 1043)	PPA GF60		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.77	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Vertical flow direction	0.60	%	ISO 294-4
Flow direction	0.40	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	22600	MPa	ISO 527-2/1
Tensile Stress (Break)	270	MPa	ISO 527-2/5
Tensile Strain (Break)	1.7	%	ISO 527-2/5
Flexural Modulus ¹	23200	MPa	ISO 178
Flexural Stress ²	430	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	75	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (8.0 MPa, Unannealed)	230	°C	ISO 75-2/C
Melting Temperature ³	313	°C	DIN EN 11357-1
Additional Information	Nominal Value	Unit	Test Method
Reinforcement Content	60	%	ISO 1172
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		
3.	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.

Recommended distributors for this material

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

