

Kingfa PA-G30

Polyamide

Kingfa

Message:

Kingfa PA-G30 is a polyamide material, which contains a 30% glass fiber reinforced material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of Kingfa PA-G30 are:

- flame retardant/rated flame
- anti-warping
- beautiful
- Impact resistance

Typical application areas include:

- electrical appliances
- Tools
- Automotive Industry
- Sporting goods

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Bending resistance		
	Low temperature impact resistance		
	General		
	Excellent appearance		
Uses	Electrical appliances		
	Power/other tools		
	Application in Automobile Field		
	Sporting goods		
	General		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow: 23°C	0.40	%	ASTM D955
Transverse flow: 23°C	0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	155	MPa	ASTM D638
Tensile Elongation ² (Break)	4.1	%	ASTM D638
Flexural Modulus ³	7800	MPa	ASTM D790

Flexural Strength ⁴	230	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	190	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	220	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	213	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	HB		UL 94
3.00 mm	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	225 - 245	°C	
Middle Temperature	250 - 270	°C	
Front Temperature	260 - 280	°C	
Processing (Melt) Temp	255 - 285	°C	
Mold Temperature	50.0 - 70.0	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Processing Temperature Limit: 300°C			
NOTE			
1.	10 mm/min		
2.	10 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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



WECHAT