

Kangxi® PA6-30GF

Polyamide 6

Wuxi Kangxi Plastics Technology Co.,Ltd.

Message:

Kangxi®PA6-30GF is a polyamide 6 (nylon 6) product, which contains a 30% glass fiber reinforced material. It can be processed by injection molding and is available in the Asia-Pacific region. Typical application areas are: electrical/electronic applications.

Features include:
flame retardant/rated flame
high gloss
Impact resistance

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Highlight		
	Impact resistance, good		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.38	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.30	%	ASTM D955
Transverse flow	0.90	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	165	MPa	ASTM D638
Tensile Elongation ³ (Break)	2.8	%	ASTM D638
Flexural Modulus ⁴	7800	MPa	ASTM D790
Flexural Strength ⁵	235	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	180	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	210	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.6 mm	HB		UL 94
3.2 mm	HB		UL 94

Additional Information	Nominal Value	Unit	Test Method
Weather Resistance - 24 hr (23°C)	0.80	%	ASTM D570
Injection	Nominal Value	Unit	
Drying Temperature	90 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	220 - 270	°C	
Middle Temperature	220 - 270	°C	
Front Temperature	220 - 270	°C	
Processing (Melt) Temp	265 - 285	°C	
Mold Temperature	50 - 70	°C	
NOTE			
1.	23°C		
2.	10 mm/min		
3.	10 mm/min		
4.	2.0 mm/min		
5.	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

