

Kingfa PA66-C111

Polyamide 66

Kingfa

Message:

Kingfa PA66-C111 is a polyamide 66 (nylon 66) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of Kingfa PA66-C111 are:

- flame retardant/rated flame
- anti-warping
- Good toughness
- Impact resistance

Typical application areas include:

- electrical appliances
- Tools
- Automotive Industry
- Sporting goods

General Information			
UL YellowCard	E171666-100668699		
Features	Bending resistance		
	Impact resistance, high		
	Good toughness		
Uses	Electrical appliances		
	Power/other tools		
	Application in Automobile Field		
	Sporting goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	1.4 - 1.7	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	48.0	MPa	ASTM D638
Tensile Elongation ² (Break)	50	%	ASTM D638
Flexural Modulus ³	1750	MPa	ASTM D790
Flexural Strength ⁴	72.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	880	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	237	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	63.0	°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
1.60 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	260 - 280	°C	
Middle Temperature	265 - 300	°C	
Front Temperature	275 - 305	°C	
Processing (Melt) Temp	275 - 310	°C	
Mold Temperature	50.0 - 80.0	°C	
Injection Rate	Moderate-Fast		
Injection instructions			
Processing Temperature Limit: 310°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

