

Kingfa JH830T

Polycarbonate Alloy

Kingfa

Message:

Kingfa JH830T is a polycarbonate alloy (PC alloy) material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of Kingfa JH830T are:

flame retardant/rated flame

High stiffness

beautiful

Typical application areas include:

electrical appliances

Wire and cable

home apps

General Information			
UL YellowCard	E171666-100744982	E171666-225745	
Features	Rigidity, high		
	Excellent appearance		
Uses	Electrical appliances		
	Household goods		
	Communication Equipment		
Appearance	Clear/transparent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.50 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	62.0	MPa	ASTM D638
Tensile Elongation ² (Break)	60	%	ASTM D638
Flexural Modulus ³	2300	MPa	ASTM D790
Flexural Strength ⁴	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	600	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.20 mm)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, unannealed, 6.40mm	132	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	128	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.60 mm)	28	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
2.40 mm	V-0		UL 94
3.20 mm	V-0		UL 94
Glow Wire Ignition Temperature (1.60 mm)	950	°C	IEC 60695-2-13
Additional Information			
Ball Pressure Test, IEC695-10-2, 2mm: 123 to 127°C			
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	240 - 270	°C	
Middle Temperature	260 - 280	°C	
Front Temperature	270 - 290	°C	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	0.700 - 1.00	MPa	
Injection instructions			
Processing Temperature Limit: 300°C Injection Speed: 60 to 90%			
NOTE			
1.	50 mm/min		
2.	50 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