Kingfa JH720 G30

Polycarbonate Alloy

Kingfa

Message:

Kingfa JH720 G30 is a polycarbonate alloy (PC alloy) 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 JH720 G30 are:
flame retardant/rated flame
high strength
anti-warping
beautiful
The typical application areas of Kingfa JH720 G30 are: electrical/electronic applications

General Information			
UL YellowCard	E171666-225744	E171666-564142	
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	High strength Bending resistance Excellent appearance		
Uses	Computer components Electrical/Electronic Applications		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.42	g/cm³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.20 - 0.30	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (M-Scale)	86		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1]	115	MPa	ASTM D638
Tensile Elongation [2] (Break)	7.0	%	ASTM D638
Flexural Modulus [3]	8700	MPa	ASTM D790
Flexural Strength [4]	165	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm)	140	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.20 mm)	590	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	145	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	139	°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)	21	kV/mm	ASTM D149
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	110 - 120	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	240 - 275	°C	
Middle Temperature	250 - 280	°C	
Front Temperature	260 - 290	°C	
Processing (Melt) Temp	250 - 280	°C	
Mold Temperature	80.0 - 140	°C	
Back Pressure	0.300 - 1.00	MPa	
Injection instructions			
Processing Temperature Limit: 295°CInjection Speed: 60 to 90%			
NOTE			
1.	10 mm/min		
2.	10 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

Recommended distributors for this material

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