

Kingfa JH950-402

Polycarbonate + ABS

Kingfa

Message:

Kingfa JH950-402 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in North America or Asia Pacific region.

The processing method is injection molding.

The main features of Kingfa JH950-402 are:

- flame retardant/rated flame
- Impact resistance
- beautiful
- Heat resistance

Typical application areas include:

- electrical appliances
- home apps

General Information			
UL YellowCard	E171666-225746		
Features	Impact resistance, good		
	Low temperature impact resistance		
	Heat resistance, high		
	Excellent appearance		
Uses	Electrical appliances		
	Household goods		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 - 0.60	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.15	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	50.0	MPa	ASTM D638
Tensile Elongation ² (Break)	30	%	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			ASTM D256
-30°C, 3.20 mm	250	J/m	ASTM D256
23°C, 3.20 mm	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	120	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	105	°C	ASTM D648
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
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 (3.20 mm)	V-0		UL 94
Glow Wire Ignition Temperature (1.60 mm)	850	°C	IEC 60695-2-13
Additional Information			
Ball Pressure Test, IEC695-10-2, 2mm: 118 to 122°C			
Injection	Nominal Value	Unit	
Drying Temperature	90.0 - 100	°C	
Drying Time	3.0 - 6.0	hr	
Rear Temperature	210 - 230	°C	
Middle Temperature	220 - 230	°C	
Front Temperature	220 - 240	°C	
Processing (Melt) Temp	220 - 240	°C	
Mold Temperature	60.0 - 100	°C	
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			
Processing Temperature Limit: 260°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		

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