

Kingfa JH960 HT10

Polycarbonate + ABS

Kingfa

Message:

Kingfa JH960 HT10 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 JH960 HT10 are:

- flame retardant/rated flame
- Flame Retardant
- chemical resistance
- Heat resistance
- Halogen-free

Typical application areas include:

- Electrical/electronic applications
- Wire and cable
- Tools
- Automotive Industry
- printing applications

General Information			
UL YellowCard	E171666-268386		
Features	Electroplateable		
	Sprayable		
	Good chemical resistance		
	Heat resistance, high		
	Hydrolysis resistance		
	Halogen-free		
	Flame retardancy		
Uses	Computer components		
	Electrical/Electronic Applications		
	Power/other tools		
	Application in Automobile Field		
	Communication Equipment		
	Printing press		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C)	0.50 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	58.0	MPa	ASTM D638
Tensile Elongation ² (Break)	60	%	ASTM D638
Flexural Modulus ³	2500	MPa	ASTM D790
Flexural Strength ⁴	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-10°C, 3.20 mm	320	J/m	ASTM D256
23°C, 3.20 mm	510	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	121	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	105	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Dielectric Strength (1.60 mm)	19	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.50 mm	V-0		UL 94
3.00 mm	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	230 - 255	°C	
Middle Temperature	230 - 260	°C	
Front Temperature	235 - 270	°C	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	40.0 - 80.0	°C	
Back Pressure	0.300 - 0.700	MPa	
Injection instructions			
Processing Temperature Limit: 275°C Injection Speed: 30 to 80%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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