

Kingfa JH950-502

Polycarbonate + ABS

Kingfa

Message:

Kingfa JH950-502 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 JH950-502 are:
flame retardant/rated flame
Impact resistance
beautiful

General Information			
UL YellowCard	E171666-225746		
Features	Impact resistance, good		
	Low temperature impact resistance		
	Excellent appearance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	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)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	50.0	MPa	ASTM D638
Tensile Elongation ² (Break)	40	%	ASTM D638
Flexural Modulus ³	2350	MPa	ASTM D790
Flexural Strength ⁴	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.20 mm	380	J/m	ASTM D256
23°C, 3.20 mm	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	123	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	110	°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 (3.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	210 - 240	°C	
Middle Temperature	220 - 240	°C	
Front Temperature	220 - 250	°C	
Processing (Melt) Temp	220 - 255	°C	
Mold Temperature	60.0 - 80.0	°C	
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			
Processing Temperature Limit: 265°C Injection Speed: 60 to 100%			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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