

Kingfa JH950-602 Low-temperature Resistant & Flame Retardant PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Features:UL V-0 @ 3.2mmExcellent balance propertiesHigh heat resistanceGood normal/low temperature impact strengthGood surface, high glossApplications:ControllerPlug, socketShell of ammeterSmall household appliance cabinetShell of chargerInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JH950-602-Low-temperature-Resistant-Flame-Retardant-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.17 g/cc	1.17 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Water Absorption	0.12 %	0.12 %	ASTM D570
	@Temperature 23.0 Å°C, Time 86400 sec	@Temperature 73.4 Å°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength at Break	>= 54.0 MPa	>= 7830 psi	50mm/min; ASTM D638
Elongation at Break	>= 50 %	>= 50 %	50mm/min; ASTM D638
Flexural Strength	82.0 MPa	11900 psi	2mm/min; ASTM D790
Flexural Modulus	2.40 GPa	348 ksi	2mm/min; ASTM D790
Izod Impact, Notched	4.50 J/cm	8.43 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature -30.0 Å°C	@Thickness 0.126 in, Temperature -22.0 Å°F	
	5.50 J/cm	10.3 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	126 Å°C	259 Å°F	ASTM D648

Thermal Properties	@Thickness 6.40 mm Metric	@Thickness 0.252 in English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	110 Â°C @Thickness 6.40 mm	230 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-0 @Thickness 3.20 mm	V-0 @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Strength	28.0 kV/mm	711 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 265 Â°C	<= 509 Â°F	
Rear Barrel Temperature	210 - 240 Â°C	410 - 464 Â°F	Start Point: 215Â°C
Middle Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 225Â°C
Front Barrel Temperature	220 - 250 Â°C	428 - 482 Â°F	Start Point: 235Â°C
Melt Temperature	220 - 250 Â°C	428 - 482 Â°F	Start Point: 230Â°C
Mold Temperature	40.0 - 80.0 Â°C	104 - 176 Â°F	Start Point: 60Â°C
Drying Temperature	100 - 110 Â°C @Time 14400 - 21600 sec	212 - 230 Â°F @Time 4.00 - 6.00 hour	Pre-dry
Back Pressure	0.000 - 1.00 MPa	0.000 - 145 psi	

Descriptive Properties	Value	Comments
Injection Speed	60-100%	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China