

## Kingfa JH710 G10 Flame Retardant & 10% Glass Reinforced PC

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Glass Fiber Filled, Flame Retardant

### Material Notes:

Features: Environmental friendly flame retardant UL V-0 @ 1.6mm High mechanical strength Good size stability, good surface Suitable for exact molding Applications: CD-ROM, DVD Printer, photocopier cabinet Scanner parts Exact mechanism parts Electrical appliance parts Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kingfa-JH710-G10-Flame-Retardant-10-Glass-Reinforced-PC.php](http://www.lookpolymers.com/polymer_Kingfa-JH710-G10-Flame-Retardant-10-Glass-Reinforced-PC.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.0030 - 0.0040 cm/cm	0.0030 - 0.0040 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	84	84	ASTM D785
Tensile Strength at Break	75.0 MPa	10900 psi	10mm/min; ASTM D638
Elongation at Break	9.0 %	9.0 %	10mm/min; ASTM D638
Flexural Strength	105 MPa	15200 psi	2mm/min; ASTM D790
Flexural Modulus	4.20 GPa	609 ksi	2mm/min; ASTM D790
Izod Impact, Notched	1.08 J/cm	2.02 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature -30.0 Å°C	@Thickness 0.126 in, Temperature -22.0 Å°F	
	1.22 J/cm	2.29 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)	142 Å°C	288 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	
Deflection Temperature at 1.8 MPa (264 psi)	130 Å°C	266 Å°F	ASTM D648
	@Thickness 6.40 mm	@Thickness 0.252 in	

Thermal Properties	V-0 Metric	V-0 English	Comments
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-0	V-0	
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	ASTM D257
Surface Resistance	1.00e+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Strength	19.0 kV/mm	483 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 280 Â°C	<= 536 Â°F	
Rear Barrel Temperature	230 - 250 Â°C	446 - 482 Â°F	Start Point: 240Â°C
Middle Barrel Temperature	235 - 260 Â°C	455 - 500 Â°F	Start Point: 245Â°C
Front Barrel Temperature	240 - 270 Â°C	464 - 518 Â°F	Start Point: 250Â°C
Melt Temperature	235 - 260 Â°C	455 - 500 Â°F	Start Point: 240Â°C
Mold Temperature	80.0 - 110 Â°C	176 - 230 Â°F	Start Point: 90Â°C
Drying Temperature	110 - 120 Â°C @Time 10800 - 14400 sec	230 - 248 Â°F @Time 3.00 - 4.00 hour	Pre-dry
Back Pressure	0.300 - 1.00 MPa	43.5 - 145 psi	

Descriptive Properties	Value	Comments
Glass Fiber Content (%)	10	
Injection Speed	60-80%	

## Contact Songhan Plastic Technology Co.,Ltd.

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