

## Kingfa JH-R0G30 Flame Retardant and 30% Glass Fiber Reinforced PC/ABS Alloy

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Glass Fiber Filled , Polycarbonate (PC)

### Material Notes:

Features:UL V-0 @ 3.2mmExcellent balance propertiesHigh stiffnessGood size stabilityGood processing propertiesApplications:Injection moldingAutomobile instrument panelCD-ROM base pick-upOA device and partsInformation Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kingfa-JH-R0G30-Flame-Retardant-and-30-Glass-Fiber-Reinforced-PCABS-Alloy.php](http://www.lookpolymers.com/polymer_Kingfa-JH-R0G30-Flame-Retardant-and-30-Glass-Fiber-Reinforced-PCABS-Alloy.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Water Absorption	0.10 %	0.10 %	ASTM D570
	@Temperature 23.0 Å°C, Time 86400 sec	@Temperature 73.4 Å°F, Time 24.0 hour	
Linear Mold Shrinkage	0.0020 - 0.0040 cm/cm	0.0020 - 0.0040 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Tensile Strength at Break	108 MPa	15700 psi	10mm/min; ASTM D638
Elongation at Break	6.0 %	6.0 %	10mm/min; ASTM D638
Flexural Strength	148 MPa	21500 psi	2mm/min; ASTM D790
Flexural Modulus	9.30 GPa	1350 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature 23.0 Å°C	@Thickness 0.126 in, Temperature 73.4 Å°F	
Izod Impact, Unnotched	3.80 J/cm	7.12 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)	128 Å°C	262 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)	115 Å°C @Thickness 6.40 mm	239 Å°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	29.0 kV/mm	737 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 255 Å°C	<= 491 Å°F	
Rear Barrel Temperature	220 - 240 Å°C	428 - 464 Å°F	Start Point: 230Å°C
Middle Barrel Temperature	225 - 240 Å°C	437 - 464 Å°F	Start Point: 230Å°C
Front Barrel Temperature	240 - 250 Å°C	464 - 482 Å°F	Start Point: 240Å°C
Melt Temperature	230 - 250 Å°C	446 - 482 Å°F	Start Point: 240Å°C
Mold Temperature	80.0 - 110 Å°C	176 - 230 Å°F	Start Point: 90Å°C
Drying Temperature	100 - 110 Å°C @Time 14400 - 21600 sec	212 - 230 Å°F @Time 4.00 - 6.00 hour	Pre-dry
Back Pressure	0.000 - 1.00 MPa	0.000 - 145 psi	

Descriptive Properties	Value	Comments
Glass Fiber Content (%)	30	
Injection Speed	50-90%	

## Contact Songhan Plastic Technology Co.,Ltd.

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