

Kingfa JH-R2G10 P60 10% Glass Fiber Reinforced PC/ABS Alloy

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

Material Notes:

Features:UL HB @ 1.6-3.2mmExcellent balance propertiesHigh stiffnessGood size stabilityGood surface adhesionExcellent processing properties, large partsApplications: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-R2G10-P60-10-Glass-Fiber-Reinforced-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 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	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	82	82	ASTM D785
Tensile Strength at Break	76.0 MPa	11000 psi	10mm/min; ASTM D638
Elongation at Break	7.0 %	7.0 %	10mm/min; ASTM D638
Flexural Strength	119 MPa	17300 psi	2mm/min; ASTM D790
Flexural Modulus	4.35 GPa	631 ksi	2mm/min; ASTM D790
Izod Impact, Notched	0.750 J/cm	1.41 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	2.80 J/cm	5.25 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)	130 Å°C	266 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)	120 Å°C @Thickness 6.40 mm	248 Å°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	HB @Thickness 3.20 mm	HB @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+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Strength	28.0 kV/mm	711 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 285 Å°C	<= 545 Å°F	
Rear Barrel Temperature	240 - 260 Å°C	464 - 500 Å°F	Start Point: 250Å°C
Middle Barrel Temperature	245 - 270 Å°C	473 - 518 Å°F	Start Point: 255Å°C
Front Barrel Temperature	250 - 280 Å°C	482 - 536 Å°F	Start Point: 260Å°C
Melt Temperature	240 - 270 Å°C	464 - 518 Å°F	Start Point: 260Å°C
Mold Temperature	80.0 - 130 Å°C	176 - 266 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 - 0.700 MPa	0.000 - 102 psi	

Descriptive Properties	Value	Comments
Glass Fiber Content (%)	10	
Injection Speed	60-90%	

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