

Kingfa JH-R2G10 P60

Polycarbonate + ABS

Kingfa

Message:

Kingfa JH-R2G10 P60 is a polycarbonate + acrylonitrile butadiene styrene (PC + ABS) material, and its filler is 10% glass fiber reinforced material. This product is available in North America or Asia Pacific region. The processing method is injection molding.

The main features of Kingfa JH-R2G10 P60 are:

- flame retardant/rated flame
- Strong adhesion
- High stiffness
- Good processability

Typical application areas include:

- engineering/industrial accessories
- Automotive Industry

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Features	Rigidity, high		
	Workability, good		
	Good adhesion		
Uses	Industrial components		
	Car dashboard		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.30 - 0.50	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.12	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	82		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	76.0	MPa	ASTM D638
Tensile Elongation ² (Break)	7.0	%	ASTM D638
Flexural Modulus ³	4350	MPa	ASTM D790
Flexural Strength ⁴	119	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	75	J/m	ASTM D256
Unnotched Izod Impact (23°C, 3.20 mm)	280	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	130	°C	ASTM D648

1.8 MPa, unannealed, 6.40mm	120	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	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)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 110	°C	
Drying Time	4.0 - 6.0	hr	
Rear Temperature	240 - 260	°C	
Middle Temperature	245 - 270	°C	
Front Temperature	250 - 280	°C	
Processing (Melt) Temp	240 - 270	°C	
Mold Temperature	80.0 - 130	°C	
Back Pressure	0.00 - 0.700	MPa	
Injection instructions			
Processing Temperature Limit: 285°C Injection Speed: 60 to 90%			
NOTE			
1.	10 mm/min		
2.	10 mm/min		
3.	2.0 mm/min		
4.	2.0 mm/min		

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