

Kingfa JH960 6610 Non-halogenated Flame Retardant PC/ABS Alloy

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

Material Notes:

Features: Halogen free flame retardant, V-0/1.5mm Excellent balance properties High heat resistance Good chemical resistance Good hydrolysis resistance Suit for paint and electro-plating Drop down resistance Applications: LCD TV, monitor, PD Laser printer, photocopier Notebook computer and charger Rechargeable cell Automobile DVD Power tool and charger Telecommunication equipment Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JH960-6610-Non-halogenated-Flame-Retardant-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc @Temperature 23.0 Â°C	1.20 g/cc @Temperature 73.4 Â°F	ASTM D792
Water Absorption	0.12 % @Temperature 23.0 Â°C, Time 86400 sec	0.12 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm @Temperature 23.0 Â°C	0.0040 - 0.0060 in/in @Temperature 73.4 Â°F	ASTM D955
Melt Flow	19 g/10 min @Load 5.00 kg, Temperature 260 Â°C	19 g/10 min @Load 11.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength at Break	65.0 MPa	9430 psi	50mm/min; ASTM D638
Elongation at Break	50 %	50 %	50mm/min; ASTM D638
Flexural Strength	100 MPa	14500 psi	2mm/min; ASTM D790
Flexural Modulus	3.70 GPa	537 ksi	2mm/min; ASTM D790
Izod Impact, Notched	3.80 J/cm @Thickness 3.20 mm, Temperature -10.0 Â°C	7.12 ft-lb/in @Thickness 0.126 in, Temperature 14.0 Â°F	ASTM D256
	8.00 J/cm @Thickness 3.20 mm,	15.0 ft-lb/in @Thickness 0.126 in,	ASTM D256

Mechanical Properties	Temperature 23.0 Å°C Metric	Temperature 73.4 Å°F English	Comments
Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	127 Å°C @Thickness 6.40 mm	261 Å°F @Thickness 0.252 in	ASTM D648
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	5VB @Thickness 1.60 mm	5VB @Thickness 0.0630 in	
	5VA @Thickness 3.20 mm	5VA @Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	ASTM D257
Dielectric Strength	19.0 kV/mm	483 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 265 Å°C	<= 509 Å°F	
Rear Barrel Temperature	230 - 255 Å°C	446 - 491 Å°F	Start Point: 235Å°C
Middle Barrel Temperature	230 - 260 Å°C	446 - 500 Å°F	Start Point: 245Å°C
Front Barrel Temperature	235 - 270 Å°C	455 - 518 Å°F	Start Point: 255Å°C
Melt Temperature	230 - 260 Å°C	446 - 500 Å°F	Start Point: 240Å°C
Mold Temperature	40.0 - 80.0 Å°C	104 - 176 Å°F	Start Point: 60Å°C
Drying Temperature	80.0 - 90.0 Å°C	176 - 194 Å°F	Pre-dry
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	
Back Pressure	0.300 - 0.700 MPa	43.5 - 102 psi	

Descriptive Properties	Value	Comments
Injection Speed	50-80%	

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