

Kingfa JH960 HT10 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, PDP 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-HT10-Non-halogenated-Flame-Retardant-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	ASTM D955
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Melt Flow	21 g/10 min	21 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 260 Å°C	@Load 11.0 lb, Temperature 500 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	58.0 MPa	8410 psi	50mm/min; ASTM D638
Elongation at Break	60 %	60 %	50mm/min; ASTM D638
Flexural Strength	90.0 MPa	13100 psi	2mm/min; ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	2mm/min; ASTM D790
Izod Impact, Notched	3.20 J/cm	5.99 ft-lb/in	ASTM D256
	@Thickness 3.20 mm, Temperature -10.0 Å°C	@Thickness 0.126 in, Temperature 14.0 Å°F	
	5.10 J/cm	9.55 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	121 Å°C	250 Å°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	105 Â°C @Thickness 6.40 mm	221 Â°F @Thickness 0.252 in	ASTM D648
Flammability, UL94	V-0 @Thickness 1.50 mm	V-0 @Thickness 0.0591 in	
	V-0 @Thickness 3.00 mm	V-0 @Thickness 0.118 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	<= 275 Â°C	<= 527 Â°F	
Rear Barrel Temperature	230 - 255 Â°C	446 - 491 Â°F	Start Point: 235Â°C
Middle Barrel Temperature	230 - 260 Â°C	446 - 500 Â°F	Start Point: 245Â°C
Front Barrel Temperature	235 - 270 Â°C	455 - 518 Â°F	Start Point: 255Â°C
Melt Temperature	230 - 260 Â°C	446 - 500 Â°F	Start Point: 240Â°C
Mold Temperature	40.0 - 80.0 Â°C	104 - 176 Â°F	Start Point: 60Â°C
Drying Temperature	80.0 - 90.0 Â°C @Time 7200 - 14400 sec	176 - 194 Â°F @Time 2.00 - 4.00 hour	Pre-dry
Back Pressure	0.300 - 0.700 MPa	43.5 - 102 psi	

Descriptive Properties	Value	Comments
Injection Speed	30-80%	

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