

Kingfa JH960 6111 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-0/1.5mm5VB/1.6mm, 5VA/3.2mm Excellent mechanical properties High heat resistance Chemical resistance, hydrolysis resistance Good paint adhesion High flow ability, suit for gas assistant molding Applications: LCD cabinet PDP TV set OA cabinet Notebook computer and transformer Charger Mobile CD and DVD Power tools Mobile phone enclosure Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JH960-6111-Non-halogenated-Flame-Retardant-PCABS-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc @Temperature 23.0 Â°C	1.19 g/cc @Temperature 73.4 Â°F	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0070 cm/cm @Temperature 23.0 Â°C	0.0050 - 0.0070 in/in @Temperature 73.4 Â°F	ASTM D955
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 260 Â°C	12 g/10 min @Load 4.76 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength at Break	>= 55.0 MPa	>= 7980 psi	50mm/min; ASTM D638
Elongation at Break	>= 50 %	>= 50 %	50mm/min; ASTM D638
Flexural Strength	85.0 MPa	12300 psi	2mm/min; ASTM D790
Flexural Modulus	2.60 GPa	377 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
	5.00 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	9.37 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa	102 Â°C	216 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	90.0 Å°C @Thickness 6.40 mm	194 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	<= 270 Å°C	<= 518 Å°F	
Rear Barrel Temperature	220 - 250 Å°C	428 - 482 Å°F	Start Point: 215Å°C
Middle Barrel Temperature	230 - 255 Å°C	446 - 491 Å°F	Start Point: 225Å°C
Front Barrel Temperature	235 - 265 Å°C	455 - 509 Å°F	Start Point: 235Å°C
Melt Temperature	230 - 250 Å°C	446 - 482 Å°F	Start Point: 230Å°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 @Time 7200 - 14400 sec	176 - 194 Å°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	50-80%	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China