

Kingfa JH960 6100 Non-halogenated Flame Retardant PC/ABS

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 Chemical resistance Hydrolysis resistance Drop down resistant Super high flow ability, suit for thin wall and complex parts Applications: Computer monitor cabinet OA cabinet LCD cabinet PDP TV set Mobile CD and DVD Information Provided by Kingfa Sci. & Tech. Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kingfa-JH960-6100-Non-halogenated-Flame-Retardant-PCABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc @Temperature 23.0 Â°C	1.18 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	32 g/10 min @Load 10.0 kg, Temperature 260 Â°C	32 g/10 min @Load 22.0 lb, Temperature 500 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	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
	4.50 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	8.43 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 (66 psi)	97.0 Â°C @Thickness 6.40 mm	207 Â°F @Thickness 0.252 in	ASTM D648

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	ASTM D648 @Thickness 6.40 mm	English @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+16 ohm	1.00e+16 ohm	ASTM D257
Dielectric Strength	19.0 kV/mm	483 kV/in	1.6mm; ASTM D149

Processing Properties	Metric	English	Comments
Processing Temperature	<= 265 Â°C	<= 509 Â°F	
Rear Barrel Temperature	210 - 230 Â°C	410 - 446 Â°F	Start Point: 215Â°C
Middle Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 225Â°C
Front Barrel Temperature	225 - 250 Â°C	437 - 482 Â°F	Start Point: 235Â°C
Melt Temperature	220 - 240 Â°C	428 - 464 Â°F	Start Point: 230Â°C
Mold Temperature	40.0 - 60.0 Â°C	104 - 140 Â°F	Start Point: 60Â°C
Drying Temperature	78.0 - 80.0 Â°C	172 - 176 Â°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%	

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