



- Home
- About us
- News
- Products
- Online order
- Recruitment
- Contact Us

About us

- Company Profile
- Development
- Qualification
- Architecture
- Enterprise culture



Huacheng Rd No.18, Qinyang town industrial concentration area, Jiangyin, Jiangsu, China
 Tel.: 0510-68821968
 Fax: 0510-86915301
 Post code: 214401
 Website: http://www.kuangshun.com

Products

Liquid photoimageable solder mask (KSM-S6188)

KSM-S6188 is two-component , screen printing , high precision , lye-development solder mask ink. It is applicable to double-sided board and multi-layer board for making thin and intensive circuit. It has good screen printing adaptability and good surfacing. The post cured film provides excellent adhesion , resistance to chemicals and heat.

KSM-S6188G series has good screen printing adaptability , excellent adhesion , high resistance to chemicals and heat. It has extensive operating conditions . This liquid photoimageable solder mask possesses easy operation and is widely accepted.

Spray Tin	Fill with ink in the hole	Chemical plating Aurum	Chemical plating Tin	The smallest solder-dam
◎	△	○	△	4mil

KSM-S6188 KG series solder mask ink is dedicated to both tamponade also printing process , making Chemical-plating Aurum board , thin solder-dam board. It has good resistance to chemical-plating Aurum (electroless Aurum plating), good tamponade effect , full , flat ,no dehiscence , light transmission ,taphole break , good light sensitivity. This ink has small under-cut and can make 2mil solder-dam. It is applicable to double-sided board and multi-layer board , having high integrated performance.

Spray Tin	Fill with ink in the hole	Chemical plating Aurum	Chemical plating Tin	The smallest solder-dam
◎	◎	◎	△	2mil

KSM-S6188 HG series is KSM-S6188 KG series' upgrade product. It has outstanding performance of thermal shock, resistance to chemicals and solvent , tamponade effect and other physical and chemical properties.

Spray Tin	Fill with ink in the hole	Chemical plating Aurum	Chemical plating Tin	The smallest solder-dam
◎	◎	◎	○	2mil

KSM-S6188 E series is low halogen environmental protection solder mask ink. The halogen content is below 600ppm. The ink has bright and stable color, good screen printing adaptability and high resistance to chemicals and heat , easy operation and environmental protection.

Spray Tin	Fill with ink in the hole	Chemical plating Aurum	Chemical plating Tin	The smallest solder-dam
◎	◎	◎	○	3mil

KSM-S6188 tamponade series solder mask ink is dedicated to Aluminum slice , which has high solid content, good flow performance , low curing shrinkage and good compatibility with other series of solder mask ink. The ink in the hole is full, flat, no dehiscence , light transmission and taphole break.

Spray Tin	Fill with ink in the hole	OSP	Chemical plating Aurum	Chemical plating Tin
◎	◎	◎	◎	○

P.S. : "◎"excellent , "○"good , "△"general

1. Type of ink

Type of Base	Color	Type of Base	Color
KSM-S6188 G series , Type of hardener: KSM-18/KSM-18 A1			
KSM-S6188 G2	Medium green (incline to yellow)	KSM-S6188 G3	Deep green (incline to blue)
KSM-S6188 G5	Deep green (incline to blue)	KSM-S6188 G6	Medium green (incline to yellow)
KSM-S6188 G9	Light green (incline to blue)	KSM-S6188 GA	Medium green and matt (incline to yellow)

KSM-S6188 GB	Deep green and matt (incline to blue)	KSM-S6188 GC	Medium green and matt (incline to blue)
KSM-S6188 KG series , Type of hardener: KSM-18 A6/KSM-18 HA30			
KSM-S6188 KG22	Medium green (incline to yellow)	KSM-S6188 KG24	Medium green (incline to blue)
KSM-S6188 KG25	Deep green (incline to blue)	KSM-S6188 KG26	Medium green (incline to yellow)
KSM-S6188 KG29	Light green (incline to blue)	KSM-S6188 KG31	Light green (incline to yellow)
KSM-S6188 HG series , Type of hardener: KSM-18 HA30			
KSM-S6188 HG12	Light green (incline to blue)	KSM-S6188 HG32	Medium green (incline to yellow)
KSM-S6188 HG36	Deep green (incline to blue)	KSM-S6188 HG39	Light green (incline to blue)
KSM-S6188 E low halogen series , Type of hardener: KSM-18 EA/KSM-18 EH1			
KSM-S6188 EHG1	halogen-free Light green (incline to yellow)	KSM-S6188 EHG2	halogen-free Medium green (incline to yellow)
KSM-S6188 EHG9	halogen-free Light green (incline to blue)	KSM-S6188 EG5	halogen-free Deep green (incline to blue)
KSM-S6188 tamponade series , Type of hardener: KSM-18 A1/KSM-18 EH1/KSM-18 S1			
KSM-S6188 GS	Light green (incline to blue)	KSM-S6188 GS1	Light green (incline to blue)
KSM-S6188 EHGS	halogen-free green (incline to blue)		

2. Properties of Ink

Items	Features	Notes
Color	Green	
Fineness	≤8μm	0 ~25μm Fineness gauge
Mix ratio	Base/Hardener=3:1	Weight ratio
Solid content after mixing	75±3%	Surface printing ink
	82±3%	tamponade series
Viscosity after mixing (25°C)	200±30 dPa . s	VT-04F
	300±50 dPa . s	VT-04F, matt and tamponade series
Density after mixing (25°C)	1.30 ~1.50 g/ml	
Pot life after mixing	24 hour	Store below 25°C in dark
Environment standard	In compliance with RoHS directives	SGS testing
Halogen content	≤600ppm	Only KSM-S6188 E series
Pre-baking limit	75°C , 70 min	
Exposure energy	300 ~600 mJ/cm ²	The effective value through the polyester film
Package	Base :750g , Hardener :250 g	According to customer requirements
	Base :3kg , Hardener :1kg	
Shelf life	6 months since the date of manufacture	Store 10 ~25°C in dark

3. Properties of the film (after post cured)

Items	Features	Notes
Pencil hardness	≥6H	Pencil harder
Solvent resistance	Good	25°C, C ₂ H ₅ OH ,20min
Acid resistance	Good	25°C, 10vol%H ₂ SO ₄ ,20min
Alkali resistance	Good	25°C, 10vol%NaOH ,20min
Insulation resistance	≥1.0×10 ⁸ Ω	IPC-SM-840D 3.8.2
Resistance to molten solder	288°C×10seconds×3times OK	IPC-SM-840D 3.7.3
Resistance to flame	UL94V-0	Certified number:UL-E189612

Attention :

- The base and hardener should be mixed according to the ratio and stirred thoroughly before using.
- We will offer you special diluent or DPM if the ink need dilute.
- The values above are based on experiments in our lab. Experiments need to be carried out in order to get proper using condition.

[Home](#) | [About us](#) | [News](#) | [Products](#) | [Online order](#) | [Recruitment](#) | [Contact Us](#)
Yue ICP Bei No.08031020 Technically Supported by Zhongnuo