Liquid Photoimageable ink

(KSM-P2188BL)

KSM-P2188BL is photoimageable Line ink. It has good etching resist adaptability , It's weak alkaline developing , one-component liquid photoimageabie circuitink for pcb circuit production . This liquid photoimageable circuit ink possesses easy operation and is wildly accepted.

Properties of ink :

Items	Features	Notes
Color	Blue	
Solid content	55%~62%	
Viscosity（25℃）	70~80dPa·s	VT-04F
Resolution（25℃）	170μm	
Adhesion	100/100	3M tape
Pre- baking limit	75℃，20-30min	First side:15-25min Second side:20-30min
Exposure energy	200~300mJ/cm^2	The effective value through the polyester film
Shelf time	6 months since the date of manufacture	Store below 25℃ in the dark

Liquid photoimageable solder mask direction of use

1. Working procedure

Procedure	Content
(1) Mixing	Mixing well then use directly or diluent
(2) Pre-treatment	1Mechanical grinding or chemical treatment
(3) Screen	Screen print
(4) Pre-baking	1. Single side printing separately First side :75±5℃ ,15~25min Second side : 75±5℃ , 20 ~30min 2. Double sides printing simultaneously : 75±5℃ , 20 ~30min
(5) Exposure	200~300mJ/cm^2(the effective value through the polyester film), 7~9 step
(6) Filmremoval	Pressure:1.8-2.5kgf/cm ^{2} 3-5wt % Naoh solation , temp:50-60 ℃ Time:60-120sec
(7) Post cure	Spray Tin board：150℃×60~120 min；Chemical-plating Aurum or Tin board： 150℃×50~60 min； boards filled with ink in the hole should be post-baked in subsection:75℃×60~120 min+100℃×30 min+150℃×60 min

1. Caution

1. Requirements of working place :the temperature should be 20~24℃ and humidity is 55~65% in the room for printing and exposure without dust. Please work in the place without UV ray , or it will cause photo polymerization if the ink is used in the irradiation of white ray or sunlight.
2. Can use directiy or nad bsc , specific diluent solvent