Conductive Silver Ink SS250PL

APPLICATION:

MIXING:

It should be thoroughly mixed slowly using a spatula before screen-printing. Mix smoothly from the bottom of its container. Avoid mixing air into the product.

SUBSTRATE:

Polyester Film & ITO Film/PI/PC-Film

SCREENTYPE:

250–325 mesh for polyester screen
250–350 mesh for stainless steel screen

EQUIPMENT:

Manual, Semi-Automatic, Reel-to Reel process

SQUEEGEE:

Polyurethane or solvent resistant materials
60 to 70 Durometer for polyester screen
70 to 80 Durometer for stainless steel screen

PRINT THICKNESS:

Optimal dry print film thickness should be between 6 ~ 12μm•

CURE SCHEDULE:

130℃, 30 min.(Convection oven)
Far infra-red oven may be use for pre-drying before curing in stack

CLEANUP:

Methyl Ethyl Ketone (MEK)

STORAGE:

Store at 10~25℃

HANDLING:

This material might cause skin irritation to sensitive persons. Always use protective clothing to minimize skin contact. If contact occurs, wash with mild soap and water in case of eye contact, flush with water and secure medical attention.

DESCRIPTION:

SS250PL is a high CP value halogen free silver filled electrically conductive printing ink. It is designed specifically for the mass production of highly reliable fine line resolution of Touch Panel, Touch Pad, EL, Membrane Touch Switch and other flexible circuits.

ADVANTAGE:

This printing ink provided excellent flexibility, high conductivity and outstanding adhesion to ITO-film, PET, PI-film, Polycarbonate and glass substrates at low cure schedule. It was specially designed as suitable for screen printing and laser trimming process to get best smooth surface and fine line resolution.

TYPICAL PROPERTIES:

Color	Silver
Viscosity*1	30±10KcPs.
Solids Content	69±3%
Shelf Life	6months(10~25℃)

*1 Brook field, DVII+Pro, cone/plate type CP51@25℃, at 2.5 rpm.

TYPICAL PROPERTIES (Cured):

Volume Resistivity*2	≦6.5x10^{-5}Ω·cm
Pencil Hardness*2	≧2H, on PET/ITO film
Adhesion*3	100/100, on PET & ITO film
Flexibility	Excellent

*2 Curing at 130℃ for 30 minutes.
*3 Cross-hatch with 3M tape (#600) pull test.

★ All test results are typical values. We cannot offer any special guarantee if applied as different application.

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