CREATIVEMATERIALS

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125-26 Part A/ B119-44

ELECTRICALLY CONDUCTIVE, FINE LINE, TWO PART EPOXY INK

DESCRIPTION: 125-26 is a two component, solvent-resistant, electrically conductive ink suitable for screen-printing circuits with fine line widths and spacing. This product features excellent adhesion to ITO coated surfaces, polyimide, polyester, glass, polycarbonate and other substrates. This product is very resistant to methyl ethyl ketone and other aggressive solvents. It is also very resistant to scratching and creasing. Some applications for 125-26 include, but are not limited to, touch screen bus bars, solar cell grid lines, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, and membrane switches. This product is designed for use in crossovers with CMI product 116-20, a UV curable dielectric or 118-08, a thermal cure dielectric. 125-26 is a fine line version of 118-09A/B.

MIX RATIO (by weight):

Part A	Part B119-44
100	1.5

Pot Life: 4 days.

MIXING INSTRUCTIONS: Premix 125-26 Part A, in original container prior to adding curing agent. Add B119-44 and mix until uniform. At this point the material may be thinned by adding small amounts of CMI 113-12 thinner.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Filler	Silver
Percent Silver (cured)	> 85
Crease Resistance	Excellent
Sheet Resistivity (ohm/sq./mil)	as low as 0.015 (See cure schedule below for additional data)
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 200

CURE SCHEDULE AND CONDUCTIVITY:

Cure Temperature (°C)	Cure Time	Conductivity Achievable (Ω/sq/mil)
100	1 Hour	< 0.060
150	30 Minutes	< 0.030
150	1 Hour	< 0.020
175	30 Minutes	< 0.020
175	1 Hour	< 0.015

Note: Cure times are suggestions and customers are advised to experiment for what works best in their application.

STORAGE: Shelf life: 12 months at 25°C, in unopened, unmixed containers.

SAFETY & HANDLING: Use with adequate ventilation. Keep away from sparks and open flames. Avoid prolonged contact with skin and breathing of vapors. Wash with soap and water to remove from skin. **Note:** It is not unusual for crystallization of the Part B to occur. Warm to 40-45°C in a water bath to return the material to it's original viscosity. The crystallization does not affect the performance of the product in any way.

REVISION DATE: 3/7/14 REVISION: B