CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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123-07

SOLVENT-RESISTANT ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 123-07 is a pad-printable, solvent-resistant, electrically conductive epoxy ink and coating. This product features excellent adhesion to Kapton, Mylar, glass, polycarbonate and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to acetone and methyl ethyl ketone. It is also very resistant to scratching and creasing. Some applications for 123-07 include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches, electrical attachments for surface mounted devices, and anode coatings for tantalum capacitors.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	10,000-12,000
Filler	Silver
Percent Silver (cured)	> 89
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	0.00003
Sheet Resistivity (ohm/sq./mil)	0.012
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 200

SUGGESTED HANDLING & CURING: 123-07is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner 113-39 (fast drying) and/or # 114-20 Retarder (slow drying). Prior to using, be certain to resuspend silver. Best properties, for most applications, result when cured for 1-2 hours at 125°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 3 months at 25°C; or 6 months at 5°C; or 12 months at -10°C.

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.

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

REVISION DATE: 5/6/03 REVISION: A