CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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130-09-200

ELECTRICALLY CONDUCTIVE, CARBON FILLED, EPOXY INK

DESCRIPTION: 130-09-200 is a carbon filled, screen-printable, electrically conductive, epoxy based ink and coating suitable for application by screen- printing, dipping and syringe dispensing. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other surfaces. Some applications for 130-09-200 include, but are not limited to, printed potentiometers, printed resistors, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches and anode coatings for tantalum capacitors. 130-09-1K is a 1,000 Ω/sq/mil version of this product, 130-09-10K is a 10,000 Ω/sq/mil version of this product, and 130-09-100K is a 100,000 Ω/sq/mil version of this product. 130-09-100 can be blended with 130-09-1K, 130-09-10K, or 130-09-100K to achieve a range of resistivity.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Filler	Carbon
Sheet Resistivity (Ω/sq./ mil.)	200
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200
Thermal Stability (°C)	Good to 325

* Cured 60 minutes at 175º C in a convection oven

SUGGESTED HANDLING & CURING: 130-09-200 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner 120-08. Prior to using, be certain to re-suspend filler. Best properties, for most applications, result when cured for 60 minutes at 175°C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 150°C to 200°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 6 months 5°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.

REVISION DATE: 01/08/24 REVISION: A