CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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108-06

UV CURING ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 108-06 is an electrically conductive ink, coating and adhesive suitable for screen-printing circuit lines. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is curable using ultra violet radiation. Some applications for 108-06 include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry and membrane switches.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	30,000
Filler	Silver
Percent Silver (cured)	> 60
Crease Resistance	Excellent
Volume Resistance (Ω-cm)	0.0004
Sheet Resistivity (Ω/sq./mil)	0.15
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55°C to 200
Thermal Stability (°C)	Good to 225

SUGGESTED HANDLING & CURING: 108-06 is ready to use as supplied. Store at low temperature to maintain consistent flow properties. Allow material to warm to room temperature before opening container. Cure using one or two 300 watt/inch mercury vapor lamps. Speed of cure will vary depending upon available energy. Typical cure time ranges from several seconds to several minutes when work is positioned 2 to 6 inches from lamp. Faster curing can be accomplished by moving lamp closer to work. Always apply material in very thin layers to ensure complete curing.

STORAGE: Shelf life: 3 months at 25°C; or 6 months at 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: 8/27/18 REVISION: B