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113-26

ACID RESISTANT ELECTRICALLY CONDUCTIVE COATING

DESCRIPTION: 113-26 is an acid resistant, electrically conductive ink and coating suitable for application by silk screening, stamping, dipping and syringe dispensing. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other surfaces. Unlike conventional conductive materials this product is very resistant to most acids, solvents, and thermal aging. 113-26 is a silk-screenable version of 112-43.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	15,000-20,000
Filler	carbon
Volume Resistivity (Ω -cm)	3.0
Sheet Resistivity (Ω /sq/mil)	1000
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to +200
Thermal Stability ($^{\circ}$ C)	Good to 325

SUGGESTED HANDLING & CURING: 113-26 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI #203 or CMI #113-12. Prior to using, be certain to re-suspend fillers. Best properties, for most applications, result when cured for 1 hour at 170 $^{\circ}$ C to 180 $^{\circ}$ C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 50 $^{\circ}$ C to 150 $^{\circ}$ C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 6 months at -10 $^{\circ}$ 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: 2/16/93 REVISION: A