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114-34

SOLVENT-RESISTANT 150 OHM/SQUARE INK

DESCRIPTION: 114-34 is a solvent-resistant electrically conductive ink, and coating suitable for screen-printing printed circuit lines. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to methyl ethyl ketone. Some applications for 114-34 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. 114-34 may be blended with 114-11 to provide a wide range of conductivity levels, for various applications.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Filler	Carbon
Crease Resistance	Excellent
Volume Resistance (Ω-cm)	0.40
Sheet Resistivity, max. (Ω/sq./mil)	150
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 175
Thermal Stability (°C)	Good to 325

MIXING INSTRUCTIONS: Premix 114-34 part A in original container prior to adding curing agent. Add Part B187 or when faster curing is needed add B1418 to 114-34 and mix until uniform. **NOTE:** It is not unusual for crystallization of the B-187 or B1418 to occur. Warm to 40-45°C in a water bath to return the material to its original viscosity. The crystallization of the catalyst does not effect the performance of the product in any way. To prevent recrystallization, store the catalyst at temperatures between 35-45°C.

MIX RATIO BY WEIGHT:	114-34 part A	B-187	B-1418
	100	2.00	2.00

CURING INSTRUCTIONS:	B187	B1418
Handling Properties:	30 min. @ 80°C	20 min. @ 80°C
Full Cure:	1 hr. @ 110°C	1/2 hr. @ 110°C

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

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 suitability in a particular application or possible infringements on patents.

REVISION DATE: 2/4/98 REVISION: A