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ISO 9001 CERTIFIED

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119-34

ELECTRICAL RESISTOR INK

DESCRIPTION: 119-34 is an electrically resistive ink, coating and adhesive suitable for screen-printing very narrow circuit lines. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional materials, this product is very resistant to chemicals, abrasion and scratching. Some applications for 119-34 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. 119-34 can be further cross-linked with B187 curing agent for applications requiring resistance to solvents and high humidity. Refer to handling instructions for additional information.

TYPICAL CURED PROPERTIES:

FillerSCrease ResistanceIVolume Resistance, max. $(\Omega$ -cm)ISheet Resistivity, max. $(\Omega/sq./mil)$ ISolderableISolvent ResistanceIHydrolytic StabilityIUseful Temperature Range (°C)I	Smooth Paste Silver/ Carbon Excellent 0.002 0.95 No Excellent Excellent -55 to 200
	Good to 325

SUGGESTED HANDLING & CURING: 119-34 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner #203 and/or butyl cellosolve acetate. Prior to using, be certain to resuspend silver. Best properties, for most applications, result when cured for 1/2 hour at 175°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 50°C to 150°C. NOTE: Add 1phr B-187 catalyst when using low temperature cures. The use of B187 is suggested to impart a high degree of chemical resistance to the conductive lines. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life - 4 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.