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125-13HT

HIGH TEMPERATURE ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 125-13HT is an electrically conductive ink and coating suitable for application by screen printing, dipping and syringe dispensing and designed with high temperature applications in mind. Unlike conventional conductive materials, 125-13HT is capable of being printed at very fine line widths and spaces. This product features excellent adhesion to a wide range of substrates such as Kapton, Mylar, ITO sputtered surfaces, glass and a variety of other surfaces with the addition of treatment via acid or plasma etch. This product is very resistant to flexing and creasing. Some applications for 125-13HT include, but are not limited to, EMI/RFI shielding of polyimide flexible circuits, polymer thick film circuitry, and membrane switches.

TYPICAL CURED PROPERTIES:

SUGGESTED HANDLING & CURING: 125-13HT is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinner 102-03. Prior to using, be certain to resuspend silver. Best properties for most applications result when pre-curing for half an hour at 150°C to 155°C, followed by curing for half an hour at 250°C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 50°C to 250°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life - 6 months at 25°C; or 9 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.

*With recommended cure schedule