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114-14A

HIGH DIELECTRIC CONSTANT INK

DESCRIPTION: 114-14A is a screen-printable high dielectric constant ink, and coating. This product features excellent adhesion to ITO (Indium Tin Oxide) sputtered surfaces, Kapton®, Mylar®, glass and a variety of other surfaces. Unlike conventional materials, this product is very resistant to flexing, and creasing.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Crease Resistance	Excellent
Dielectric Constant	40
Useful Temperature Range (°C)	-55 to +200
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: 114-14A is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI #113-12 thinner. Prior to using, be certain to resuspend filler. Best properties, for most applications, result when cured for 1 Hour 175°C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 50°C to 150°C. NOTE: Add 1phr B-187 catalyst when using low temperature cures. The use of B-187 is suggested to impart a high degree of chemical resistance. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life - 3 months at 25°C; or 4 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.

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.

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