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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.