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127-14

ELASTOMERIC DIELECTRIC INK AND COATING

DESCRIPTION: 127-14 is a dielectric ink and coating suitable for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to Kapton, Mylar, and a variety of other substrates. This product is more flexible and elastomeric than traditional inks. Some applications for 127-14 include, but are not limited to, insulating of polyimide flexible circuits, polymer thick film circuitry, and membrane switches and it has shown to survive up to 50% elongation.

TYPICAL PROPERTIES:

Viscosity (cps)	18,000 – 25,000
Volume Resistance (Ω -cm)	1×10^{11}
Pencil Hardness	> 6H
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to +120

SUGGESTED HANDLING & CURING: 127-14 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of Isophorone or CMI thinner 102-03. Prior to use, be certain to mix well to re-suspend filler. **Best properties** for most applications result when cured for 3 to 5 minutes at 175 $^{\circ}$ C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 50 $^{\circ}$ C to 180 $^{\circ}$ C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 6 months at 25 $^{\circ}$ C; or 9 months at 5 $^{\circ}$ C; or 12 months at -10 $^{\circ}$ 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.

REVISION DATE: 04/07/16 REVISION: A