122-37

CONDUCTIVE INK & COATING FOR MEDICAL ELECTRODES

DESCRIPTION: 122-37 is a silver/silver chloride filled, electrically conductive ink and coating suitable for application by flexographic and rotogravure printing methods. This product features excellent adhesion to Kapton, Mylar, glass, and a variety of other surfaces. Unlike conventional conductive materials, this product is very resistant to flexing and creasing. 122-37 was specifically designed for use in combination with 122-36, for the manufacturing of EKG and transdermal drug delivery electrodes. 122-37 is a version of 122-25, which has a slightly slower evaporation rate.

TYPICAL CURED PROPERTIES:

- Viscosity (cps.): 450 - 550
- Filler: Silver/Silver Chloride
- Crease Resistance: Excellent
- Volume Resistivity (Ω-cm): 0.002
- Sheet Resistivity (Ω/sq/mil. max.): 0.8
- Solderable: No
- Hydrolytic Stability: Excellent
- Useful Temperature Range (°C): -55 to +200
- Thermal Stability (°C): Good to 325

SUGGESTED HANDLING & CURING: 122-37 is ready to use as supplied. Before using, mix well to resuspend any filler that may have settled during storage. Further thinning may be accomplished by adding small amounts of methyl ethyl ketone, diacetone alcohol, or CMI Thinner #112-18. Good properties, for most applications, result when cured for several minutes at room temperature. Best properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 50°C to 100°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 6 months at 21°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 results or possible infringements on patents.

REVISION DATE: 2/22/12 REVISION: B