CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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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 re-suspend 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.

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