CREATIVEMATERIALS

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124-50(LPS)

CONDUCTIVE INK

DESCRIPTION: 124-50(LPS) is an electrically conductive ink/coating for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to Polycarbonate, Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion, scratching, flexing and creasing. Some applications for 124-50(LPS) include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, and membrane switches. 124-50(LPS) is a crosslinking version of 124-50(LP) and a more flexible version of 124-50.

TYPICAL PROPERTIES:

Viscosity (cps)	20,000
Filler	Carbon
Crease Resistance	Excellent
Volume Resistance, max. (Ω-cm)	0.1
Sheet Resistivity (Ω/square/mil)	40
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200

SUGGESTED HANDLING & CURING: 124-50(LPS) is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI 124-13 thinner . Prior to use, be certain to mix well to re-suspend fillers. **Best properties**, for most applications, result when cured for 3 to 5 minutes at 125°C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 50°C to 175°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

If stored in freezer, allow container to reach room temperature before opening to prevent any moisture from forming on product surface.

STORAGE: Shelf life: 2 months at 25°C; or 6 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.

REVISION DATE: 4/7/20 REVISION: A