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ISO 9001 CERTIFIED

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124-39(EU)

CARBON FILLED WATERBORNE LOW V.O.C. SCREEN-PRINTABLE CONDUCTIVE INK & COATING

DESCRIPTION: 124-39(EU) is a carbon filled waterborne, low V.O.C., electrically conductive ink and coating. This product features adhesion to Kapton, glass, and a variety of other surfaces. Unlike conventional conductive materials, this product is very resistant to flexing and creasing. Some applications for 124-39(EU) include, but are not limited to, medical electrodes, polymer thick film circuitry, and membrane switches and static elimination. 124-39(EU) is an N-methyl pyrrolidone-free version of 124-39 for use in facilities where V.O.C.s are a concern.

TYPICAL CURED PROPERTIES:

Viscosity (cps.)	3,000 – 4,000
Crease Resistance	Excellent
Sheet Resistivity, 100°C cure (Ω /sq./mil. max.)	20
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +140
Thermal Stability (°C)	Good to +175
Coverage (sq. ft./gal. at 1.0 mils dry)	620

SUGGESTED HANDLING & CURING: Before using, mix well to re-suspend filler. This product can be thinned with distilled water for application by rotogravure and flexographic printing techniques. Best properties are obtained on a variety of substrates by curing for **10 minutes at 100°C**. Good 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.

STORAGE: Shelf Life: 6 months at 21°C. **DO NOT ALLOW TO FREEZE.**

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.

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