



141 Middlesex Road (RT. 3A) • Tyngsboro, MA 01879 • (978) 649-4700 • FAX (978) 649-2040 • www.creativematerials.com

122-34

CARBON FILLED CONDUCTIVE INK FOR ELECTROLUMINESCENT DEVICES

DESCRIPTION: 122-34 is a carbon filled, electrically conductive ink/coating for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to Kapton, Mylar, glass, Barium Titanate coated surfaces and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion and scratching. 122-34 is designed for printing over Barium Titanate filled inks, for use as a back electrode on electroluminescent devices.

TYPICAL PROPERTIES:

Viscosity (cps)	15,000 – 20,000
Filler	Carbon
Volume Resistance (Ω -cm)	0.13
Sheet Resistivity (Ω /square/mil)	50
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to 200

SUGGESTED HANDLING & CURING: 122-34 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner #113-12. Prior to use, be certain to mix well to resuspend filler. Best properties, for most electroluminescent applications, result when cured for 30 minutes at 70 $^{\circ}$ C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 50 $^{\circ}$ C to 200 $^{\circ}$ C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 2 months at 25 $^{\circ}$ C, or 3 months at 5 $^{\circ}$ C, or 6 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.

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