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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.