CREATIVEMATERIALS

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Creative Materials, Inc.

12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

126-48

CONDUCTIVE CARBON INK

DESCRIPTION: 126-48 is an electrically conductive ink/coating for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to 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 126–48 include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, and membrane switches. 126-48 is a higher viscosity version of 112-48.

TYPICAL PROPERTIES:

Viscosity (cps)	>30,000
Filler	Carbon
Crease Resistance	Excellent
Volume Resistance, max. (Ω-cm)	0.05
Sheet Resistivity (Ω/square/mil)	50
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200

SUGGESTED HANDLING & CURING: 126-48 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinner 112-19. Prior to use, be certain to mix well to resuspend fillers. Best properties, for most applications, result when cured for 3 to 5 minutes at 110°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.

STORAGE: Shelf life: 12 months at 25°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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