



**CREATIVEMATERIALS**

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## 126-07A/B

### LOW TEMPERATURE CURING, BLACK ELECTRICALLY CONDUCTIVE INK

**DESCRIPTION:** 126-07 A/B is a low temperature curing, solvent-resistant, electrically conductive ink and coating suitable for screen-printing. This product features an easy to use 1:1 mix ratio. 126-07A/B has excellent adhesion to ITO, Kapton, Mylar, glass, polycarbonate and a variety of other substrates. This product exhibits a high degree of flexibility and abrasion resistance. Unlike conventional dielectric materials, this product is resistant to methyl ethyl ketone with very low curing temperatures. 126-07A/B's main use is in touch screen applications where black conductive features are needed. 126-07A/B is intended to be used in conjunction with 126-06A/B which is a color matched electrically insulating ink and coating.

**MIXING INSTRUCTIONS:** Premix each part in original containers prior to mixing them together. At this point, the material may be thinned by adding small amounts of CMI 120-08 thinner

	<b>Part A</b>	<b>Part B</b>
Mix ratio by weight	1.0	1.0
Pot-Life once mixed at 25°C	5 hours	

#### **CURE SCHEDULE:**

<b>Time</b>	<b>Temperature (°C)</b>
60-90 min	60
1 hour	65
45 mins	70
5-10 mins	100

#### **TYPICAL CURED PROPERTIES:**

Filler	Carbon Blends
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	0.65
Sheet Resistivity (ohm/sq./mil)	250
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 250
Thermal Stability (°C)	Good to 325

**STORAGE:** Shelf life: 12 months at 25°C, in unopened, unmixed containers.

**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 implied or expressed with respect to results or possible infringements on patents.**

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