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126-06A/B

LOW TEMPERATURE CURING, OPAQUE BLACK, DIELECTRIC INK

DESCRIPTION: 126-06A/B is a low temperature curing opaque black, two component, solvent-resistant, electrically insulating ink and coating suitable for screen-printing. This product features an easy to use 1:1 mix ratio. 126-06A/B has excellent adhesion to Kapton®, Mylar®, glass, polycarbonate ITO coated substrates and to a variety of other substrates. Unlike conventional dielectric materials, this product is resistant to methyl ethyl ketone with very low curing temperatures. It is also very resistant to scratching and creasing. Some applications for 126-06A/B include, but are not limited to, dielectric insulation of thick film circuitry, improving moisture resistance, arc track resistance, and weathering resistance of electrical/electronic devices. 126-06A/B is intended to be used in conjunction with 126-07A/B which is a color matched electrically conductive 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.

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

CURE SCHEDULE:

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

TYPICAL CURED PROPERTIES:

Color	Opaque Black
Volume Resistivity (ohm-cm)	1x10 ¹⁶
Dielectric Constant (50 Hz)	3.8
Dielectric Strength (volts/mil)	500
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 expressed or implied with respect to suitability in particular application or possible infringements on patents.

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