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ISO 9001 CERTIFIED
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128-05 Part A/B119-44

SOLVENT-RESISTANT DIELECTRIC INK

DESCRIPTION: 128-05 is an opaque blue/green, two-component, solvent-resistant, electrically insulating ink, coating and adhesive suitable for screen printing. This product features excellent adhesion to Kapton, Mylar, glass, polycarbonate and a variety of other substrates. Unlike conventional dielectric materials, this product is very resistant to methyl ethyl ketone or acetone. It is also very resistant to scratching and creasing. Some applications for 128-05 include, but are not limited to, dielectric insulation of thick film circuitry, imparting moisture resistance, arc track resistance and weathering resistance of electrical/electronic devices.

TYPICAL PROPERTIES:

Viscosity (cps)	18,000
Color	Blue/Green
Specific Gravity (water = 1)	1.27
Solids (%)	60 – 65
Volume Resistivity (ohm-cm)	1x10 ¹⁶
Dielectric Constant (50 Hz)	4.0
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +250
Thermal Stability (°C)	Good to +325

MIXING INSTRUCTIONS: Premix part A in original container prior to adding curing agent to re-suspend solids. Add Part B119-44 and mix until uniform. At this point the material may be thinned by adding small amounts of CMI thinners 102-03 or 113-12.

CURING INSTRUCTIONS:

	<u>Part A</u>	<u>B119-44</u>
Mix ratio (by weight)	100	2.0
Cure schedule	80°C	4 hr.
	100°C	1 hr.
	125°C	30 min.
	150°C	15 min.
Pot-life @ 25°C: ≤ 4 days		

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. **Note:** It is not unusual for crystallization of the Part B to occur. Warm to 40-45°C in a water bath to return the material to it's original viscosity. The crystallization does not affect the performance of the product in any way.

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.

REVISION DATE: 03/28/18 REVISION: A