



Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

126-21C

SOLVENT-RESISTANT ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 126-21C is a one-component, solvent-resistant, electrically conductive ink, coating and adhesive suitable for screen-printing circuit lines. 126-21C can also be thinned with fast evaporating solvents such as MEK for spray application. This product features excellent adhesion to Kapton, Mylar, glass, polycarbonate and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to methyl ethyl ketone after curing even at low temperatures. It is also very resistant to scratching and creasing. Some applications for 126-21C include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches, electrical terminations for surface mounted devices, and bus bars on Indium Tin Oxide (ITO) sputtered surfaces. 126-21C is a pre-catalyzed version of 126-21A/B.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Filler	Silver complex
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	0.000125
Sheet Resistivity (ohm/sq./mil)	0.05
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 250
Thermal Stability (°C)	Good to 325

RECOMMENDED CURE SCHEDULE:

80°C	2-4 Hours
100°C	1-2 Hours
125°C	20 Min

STORAGE: Shelf life: < 4 days at 25°C; 2 months at -10°C; 6 months at -40°C

SAFETY & HANDLING: Allow to reach room temperature before usage. Consult the Syringe Handling Guidelines for further instructions. 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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