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119-11

PAD-PRINTABLE, GOLD FILLED, ELECTRICALLY CONDUCTIVE INK CONCENTRATE

DESCRIPTION: 119-11 is a concentrated, pad printable, gold filled, electrically conductive ink, coating and adhesive suitable for application by pad printing, dipping and syringe dispensing. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other surfaces. Unlike conventional conductive materials, this product is very resistant to flexing and creasing. Some applications for 119-11 include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, membrane switches, electrical attachments for surface mounted devices, and anode coatings for tantalum capacitors. 119-11 is a higher filled version of 119-06 that can be blended with 119-06, 119-10 or 118-43.

TYPICAL CURED PROPERTIES:

Consistency	Smooth Paste
Filler	Gold
Percent Gold, cured (By Weight)	> 97
Crease Resistance	Excellent
Volume Resistivity, 47°C cure (Ω /sq/mil.)	0.3
Glass Transition Temperature	75°C
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: 119-11 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinners #113-39, or 114-20. Prior to using, be certain to resuspend filler. Good properties result when cured for 1 hour at 47°C. Good properties are obtained on a variety of substrates by dry and curing at temperatures ranging from 50°C to 180°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 12 months at -10°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.

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 results or possible infringements on patents.

REVISION DATE: 5/14/97 REVISION: A