

Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432T 978.391.4700
F 978.391.4705**128-06(PP)****PAD PRINTABLE ELECTRODE INK**

DESCRIPTION: 128-06(PP) is a pad printable, electrically conductive, medical grade ink, and coating, 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 in both mechanical and electrical stability. Some applications for 128-06(PP) include, but are not limited to, transdermal drug delivery, ECG electrodes, tens electrodes and muscle stimulator electrodes. 128-06(PP) is a pad printable version of 113-09T.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	6,000 – 8,000
Filler	Silver/silver chloride
Crease Resistance	Excellent
Volume Resistivity (ohm-cm)	0.0002
Sheet Resistivity (ohm/sq/mil)	0.05
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200

SUGGESTED HANDLING & CURING: 128-06(PP) is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinners 127-32 (fast) and 127-32R2 (slow). Prior to using, be certain to resuspend filler. Best properties, for most applications, result when cured for 5 minutes at 175°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: 6 months at 25°C or 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.

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