CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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129-15

LOW TEMPERATURE CURING ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 129-15 is an electrically conductive ink, coating and adhesive suitable for application by stamping, screen printing, dipping and syringe dispensing. This product features good chemical compatibility with sensitive substrates such as thiophenes and urethanes. Unlike conventional screen printable materials, this product requires very little time and temperature to cure. Some applications for 129-15 include, but are not limited to, collection grids for OPV, polymer thick film circuitry, membrane switches, and busbars on ITO sputtered surfaces.

TYPICAL PROPERTIES:

Viscosity (cps)	25,000
Filler	Silver
Percent Silver, cured	> 85
Crease Resistance	Excellent
Sheet Resistivity (Ω/sq/mil, 5 min. @ 125°C)	0.02
Sheet Resistivity (Ω/sq/mil, 5 min. @ 65°C)	0.03
Glass Transition Temperature (°C)	45
Coverage (1g @ 1 mil, cm^2)	56
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +140
Thermal Stability (°C)	Good to +200

SUGGESTED HANDLING & CURING: 129-15 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinners 112-19 and/or 126-25. Prior to using, be certain to resuspend filler. Best properties, for most applications, result when cured for a few minutes at 85°C. Good properties are obtained on a variety of substrates by drying and curing at temperatures ranging from 50°C to 175°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 12 months at 25°C in original sealed 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.

REVISION DATE: 02/22/21 REVISION: A