CREATIVEMATERIALS

www.creativematerials.com

ISO 9001 CERTIFIED
ISO 14001 CERTIFIED

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

T 978.391.4700
F 978.391.4705

130-15
ELECTRICALLY CONDUCTIVE INK

DESCRIPTION: 130-15 is an electrically conductive ink, coating and adhesive suitable for application by screen printing, dipping and syringe dispensing. This product features excellent adhesion to treated/un-treated PET, glass, Indium/Tin Oxide (ITO) sputtered surfaces and a variety of other surfaces. Some applications for 130-15 include, but are not limited to, emi/rfi shielding of flexible circuits, polymer thick film circuitry, membrane switches.

TYPICAL CURED PROPERTIES:

Viscosity	Smooth Paste
Filler	Silver
Percent Silver, cured	> 85
Crease Resistance	Excellent
Volume Resistivity (Ω-cm)	0.00004
Sheet Resistivity (Ω/sq.)	0.015
Glass Transition Temperature (°C)	75
Useful Temperature Range (°C)	-55 to +150
Thermal Stability (°C)	Good to +200
Pencil Hardness, min.	2H

SUGGESTED HANDLING & CURING: 130-15 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of 102-03 and/or 113-12. Prior to using, be certain to resuspend silver. Good properties can be achieved with a cure of 60 minutes at 65°C, but end user is advised to determine optimal cure profile based on their individual application. Properties may continue to improve over an additional 7 days at ambient conditions. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: up to 12 months at 25°C in unopened containers. It is recommended to use product within 24 hours of opening container.

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: 03/11/2025 REVISION: A