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125-28

CONDUCTIVE INK & COATING

DESCRIPTION: 125-28 is a silver-based electrically conductive ink and coating suitable for application by flexographic and rotogravure printing methods. 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. This product is easily removed from the cells in your annilox roller during cleanup. Some applications for 125-28 include, but are not limited to, Smart Labels/ RFID, EMI/RFI shielding, polymer thick film circuits and other electronic circuitry.

TYPICAL PROPERTIES (as supplied):

Viscosity	Thin Liquid
Filler	Silver
Binder	Thermoplastic
Density	2.05 g/cc
Percent Solids	66 ± 1.5 %

TYPICAL PROPERTIES (cured):

Percent Silver (cured)	> 85
Crease Resistance	Excellent
Sheet Resistivity (Ω /square/mil)	<0.020
Hydrolytic Stability	Excellent
Useful Temperature Range ($^{\circ}$ C)	-55 to 200

SUGGESTED HANDLING & CURING: 125-28 is ready to use as supplied. Mix thoroughly before use. Further thinning may be accomplished by adding small amounts of PM Acetate. Best properties are obtained on a variety of substrates by drying at temperatures ranging from 50 $^{\circ}$ C to 100 $^{\circ}$ C. End user is advised to experimentally determine temperature and time best suited for use with their line speed and drying equipment.

STORAGE: Shelf Life: ~6 months at 25 $^{\circ}$ C or 9 months at 5 $^{\circ}$ C or 12 months at -10 $^{\circ}$ 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: 6/25/12 REVISION: B