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126-29

COLORED CONDUCTIVE INKS

DESCRIPTION: The 126-29 series of products are colored electrically conductive ink/coating for application by screen-printing, dipping and syringe dispensing. The product line features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, these product are very resistant to abrasion, scratching, flexing and creasing. Some applications for 126-29 type products include, but are not limited to, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry, and membrane switches. 126-29 products are more conductive versions of 112-48 that are available in a variety of colors.

TYPICAL PROPERTIES:

Product	126-29R	126-29B	126-29Y
Color	Red	Blue	Yellow
Viscosity (cps)		30,000 - 35,000	
Filler		Silver	
Crease Resistance		Excellent	
Vol. Resistance (max, Ω -cm)		0.0125	
Sheet Resistivity (max, Ω /sq/mil)		< 5.0	
Hydrolytic Stability		Excellent	
Useful Temperature Range ($^{\circ}$ C)		-55 to +200	

SUGGESTED HANDLING & CURING: 126-29 series products are ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinner 112-19, 113-12, and/or n-Methyl Pyrrolidone. Prior to use, be certain to mix well to re-suspend fillers. **Best properties**, for most applications, result when cured for 3 to 5 minutes at 110 $^{\circ}$ C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 50 $^{\circ}$ C to 175 $^{\circ}$ C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 2 months at 25 $^{\circ}$ C; or 6 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 suitability in a particular application or possible infringements on patents.

REVISION DATE: 09/12/14 REVISION: A