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**120-11**

**ELECTRICALLY CONDUCTIVE COATING**

**DESCRIPTION:** 120-11 is an electrically conductive ink and coating, which is particularly useful in the manufacturing of tantalum capacitors. The product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to abrasion, scratching and thermal aging. Some applications for 120-11 include, but are not limited to, coatings for tantalum capacitors, emi/rfi shielding of polyimide flexible circuits, polymer thick film circuitry and membrane switches.

**TYPICAL CURED PROPERTIES:**

Viscosity (cps.)	375-450
Binder Type	Acrylic
Filler	Silver
Percent Silver (Uncured)	40.5 - 44.0
Sheet Resistivity, max. ( $\Omega$ /sq./mil)	0.1
Settling Rate, max. (inch/hour at 22°C)	0.125
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 200
Thermal Stability (°C)	Good to 300

**SUGGESTED HANDLING & CURING:** 120-11 is ready to use as supplied. Prior to using, be certain to resuspend silver. Best properties, for most applications, result when cured for 15 minutes at room temperature followed by 1 hour at 100°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 50°C to 150°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 6 months at 25°C. in sealed, unopened 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.