



126-44

DIELECTRIC INK

DESCRIPTION: 126-44 is dielectric ink and coating designed for application by screen-printing, dipping and syringe dispensing. The product features excellent adhesion to Kapton, Mylar, and a variety of other substrates. Unlike conventional materials, this product is resistant to aggressive solvents such as MEK and acetone. 126-44 is designed to be used in crossovers with 126-33 conductive ink.

TYPICAL PROPERTIES:

Viscosity (cps)	25,000 – 30,000
Filler	Talc
Dielectric Strength (volts/mil)	365
Volume Resistivity (ohm-cm)	7.1×10^{15}
Dielectric Constant (1 kHz)	4.3
Dielectric Factor (60 Hz)	0.018
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200

SUGGESTED HANDLING & CURING: 126-44 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinner 102-03 or Isophorone. Prior to use, be certain to mix well to re-suspend filler. **Best properties** for most applications result when cured for 3 to 5 minutes at 175°C. Excellent properties are also obtained on a variety of substrates by curing at temperatures ranging from 110°C to 180°C. Not recommended for applications that cannot cure above 110°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life: 4 months at 25°C; or 6 months at 5°C; or 12 months at -10°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.