CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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124-18

DIELECTRIC INK, COATING & ADHESIVE

DESCRIPTION:124-18 is a matte finish, flexible, electrically insulating ink, coating and adhesive suitable for application by stamping, screen printing, dipping and syringe dispensing. This product features excellent adhesion to Kapton, Mylar, glass, and a variety of other surfaces. Unlike conventional insulating materials, this product is very resistant to flexing and creasing. Some applications for 124-18 include, but are not limited to, insulating polyimide flexible circuits, polymer thick film circuitry, and membrane switches.

TYPICAL CURED PROPERTIES:

Consistency	Viscous Liquid
Crease Resistance	Excellent
Volume Resistivity (ohm-cm)	1×10^{11}
Hardness (Shore D)	60
Tensile Strength (psi)	To be determined
Tear Resistance (lbs/in)	> 300
Moisture Vapor Transmission	Low
Glass Transition Temperature (°C)	26

SUGGESTED HANDLING & CURING: 124-18 is ready to use as supplied. Stir gently before using. Further thinning may be accomplished by adding small amounts of thinner 120-08. Best properties for most applications result when cured for one hour at 125°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 21°C in tightly sealed 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.

REVISION DATE: 3/6/06 REVISION: A