CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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119-30

AMBER DIELECTRIC INK, COATING & ADHESIVE

DESCRIPTION: 119-30 is an extremely 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 119-30 include, but are not limited to, insulating polyimide flexible circuits, polymer thick film circuitry, and membrane switches. 119-30 is an amber colored version of 113-48.

TYPICAL CURED PROPERTIES:

Consistency	Thick Liquid
Crease Resistance	Excellent
Volume Resistivity (Ω-cm)	1×10^{11}
Dielectric Strength (volts/ mil)	525
Hardness (Shore D)	55
Tensile Strength (psi)	6500
Tear Resistance (lbs./in)	> 300
Moisture Vapor Transmission	Low

SUGGESTED HANDLING & CURING: 119-30 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinners #203 and/or 113-12. Best properties for most applications result when cured using a 200-300 watt/inch mercury vapor lamp, followed by a post cure for several minutes at 150°C to 180°C. Typical cure time varies from a few seconds to a minute, depending on the amount of energy available. Good properties are obtained on a variety of substrates by curing using a 200-300 watt/inch mercury vapor lamp, followed by a post cure for at temperatures ranging from 50°C to 180°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life: 6 months at 25°C, when kept in a sealed opaque container.

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.