118-26

PAD-PRINTABLE, OPAQUE WHITE, SOLDER MASK

DESCRIPTION: 118-26 is an opaque white, pad-printable, one component, epoxy, solder mask. This product features excellent adhesion to Kapton, Mylar, aluminum, FR-4 boards, glass and a variety of other substrates. Unlike conventional dielectric materials, this product is very resistant to abrasion, scratching, and thermal aging. Applications for 118-26 include, but are not limited to, solder resistant coatings for electrical and electronic devices. 118-26 is designed for pad-printing onto complex geometry surfaces.

TYPICAL PROPERTIES:

- Viscosity (cps) 10,000-12,000
- Dielectric Strength (Volts/mil) 1300
- Dielectric Constant (100Hz) 4.0
- Volume Resistivity (ohm-cm) $1 \times 10^{16}$
- Pencil Hardness 6H (min.)
- Glass Transition Temperature (°C) 160
- Hydrolytic Stability Excellent

SUGGESTED HANDLING AND CURING: 118-26 is ready to use as supplied. Prior to using, be certain to resuspend filler. Further thinning may be accomplished by adding small amounts of CMI Thinner # 113-39. Best properties, for most applications, result when cured for 1 hour at 125°C, or 30 minutes at 150°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 125°C to 185°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf life 2 months at 25°C; or 6 months at -10°C.

SAFETY AND 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.