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125-50

OPAQUE WHITE, SOLDER MASK

DESCRIPTION: 125-50 is an opaque white, screen 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 125-50 include, but are not limited to, solder resistant coatings for electrical and electronic devices.

TYPICAL PROPERTIES:

Viscosity (cps)	20,000
Dielectric Strength (Volts/.001")	1300
Dielectric Constant (100Hz)	4.0
Volume Resistivity (ohm-cm)	1x10 ¹⁶
Pencil Hardness	6H (min.)
Glass Transition Temperature (°C)	160
Hydrolytic Stability	Excellent

SUGGESTED HANDLING AND CURING: 125-50 is ready to use as supplied. Prior to using, be certain to re-suspend fillers. Further thinning may be accomplished by adding small amounts of CMI 113-12 thinner. 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.