123-06

BLUE, FLAME-OUT, EPOXY CONFORMAL COATING

DESCRIPTION: 123-06 is a blue, flame-out, one component, epoxy conformal coating. This product is designed specifically for low viscosity/anti sag dip coating applications. 123-06 can be used up to 0.125" thick; for thicker coatings, multiple coats may be necessary. 123-06 features excellent electrical insulation properties as well as long pot life at room temperature.

MIXING INSTRUCTIONS: Premix in original container prior to using to resuspend any fillers which may have settled during storage. Further thinning and cleaning can be accomplished using CMI#113-12 thinner.

UNCURED PROPERTIES:

- Viscosity (cps): 1,500-2,000
- Thixotropic Index: > 3.5
- Color: Blue
- Shelf Life: 6 mos. @ -10°C
  2 mos. @ 25°C

CURING INSTRUCTIONS:

- Gel Time: 12 min @150°C
- Cure: 1 hr. @ 125°C
- Post Cure: 2-4 hrs. @ 150°C

TYPICAL CURED PROPERTIES:

- Specific Gravity: 1.25
- Coef. of Therm. Exp. (in/in/°C x 10^-6): 27
- Therm. Cond. (cal/sec/cm²/°C/cm): 0.0025
- Cure Shrinkage (%): 0.189
- Heat Distortion Temp. (°C): 105
- Tensile Strength (psi): 9600
- Water Absorption (%): < 0.22
- Dielectric Strength (volts/mil): 450
- Volume Resistivity (Ω-cm): 1 x 10^15
- Power Factor (60 HZ): 0.03
- Dielectric Constant: 4.3 @ 60 HZ

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

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