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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/cm ² /°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

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REVISION DATE: 7/21/03 REVISION: A