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124-15

GREEN, FLAME-OUT, EPOXY CONFORMAL COATING

DESCRIPTION: 124-15 is a green, flame-out, one component, epoxy conformal coating. This product is designed specifically for low viscosity/anti sag dip coating applications. 124-15 features excellent electrical insulation properties as well as long pot life at room temperature. 124-15 is resistant to N-Methyl-2-Pyrrolidone.

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

UNCURED PROPERTIES:

Viscosity (cps):	800
Thixotropic Index:	> 2.5
Color:	Green
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	1.23
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

STORAGE:

12 months at -10°C

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.

REVISION DATE: 1/11/06 REVISION: A