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123-25

OFF WHITE, DIELECTRIC, POLYIMIDE COATING

DESCRIPTION: 123-25 is an off white, one component, dielectric, polyimide coating. This product is designed for application by spray coating or rotogravure printing. 123-25 can be used up to 0.125" thick; for thicker coatings, multiple coats may be necessary. 123-25 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#113-39 thinner.

UNCURED PROPERTIES:

Viscosity (cps):	300-500
Color:	Off white
Shelf Life:	6 mos. @ -10°C 2 mos. @ 25°C

CURING INSTRUCTIONS:

Cure:	1 hr. @ 125°C
Post Cure:	1 hr. @ 175°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

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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