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121-20

ANISOTROPICALLY CONDUCTIVE, LOW TEMPERATURE CURING, EPOXY ADHESIVE

DESCRIPTION: 121-20 is a two component, low temperature curing, silver filled epoxy adhesive. 121-20 is designed to be used for making electrical and mechanical attachments of electrical components and devices, when shorts between closely spaced contact pads are a concern. 121-20 provides for electrical conductivity in the Z-axis while remaining electrically insulating in the X-axis and Y-axis. Unlike typical heat curing systems, this product always results in excellent conductivity and is less sensitive to handling and ambient conditions.

	<u>Part-A</u>	<u>Part-B</u>
Appearance:	Gray	Amber
Consistency:	Paste	Liquid
Mix Ratio (by weight):	100	4
Pot Life:	-----	> 48 hours

MIXING INSTRUCTIONS: Premix Part -A in original container prior to adding curing agent. Add Part B to Part A and mix until uniform.

CURING INSTRUCTIONS: Best results are obtained when product is cured at a pressure of at least 100-psi with one of the following cure schedules:

- 90 min @ 80°C or
- 60 min @ 100°C or
- 30 min @ 125°C or
- 15 min @ 150°C

TYPICAL CURED PROPERTIES:

Volume Resistivity (Ω -cm max)	
• Z-axis:	0.0001
• X, Y axes:	1×10^{12}
Water Absorption (%)	< 0.06
Tensile Strength (psi)	11,200
Solvent Resistance	Excellent
Solderable	No

STORAGE: Shelf life: 12 months at 25°C, in unopened, unmixed containers.

SAFETY & 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.

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

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