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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 B119-44</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 x 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.