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124-08LV A/B

ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 124-08LV A/B is a two part, heat cured, flexible, silver-filled epoxy adhesive with a 1 to 1 mix ratio. 124-08 LV A/B is used for making electrical and mechanical attachments on electrical components and devices. This system is capable of being applied via syringe dispensing and is also capable of being dispensed via direct write and jetting systems, such as EFD's PicoDot™ jet dispenser. Unlike typical heat curing systems, this product always results in excellent conductivity and is less sensitive to handling and ambient conditions. 124-08LV A/B is lower viscosity version of 124-08 A/B.

	Part A	Part B
Appearance:	Silver	Silver
Consistency:	Paste	Paste
Mix Ratio (by weight):	1	1
Pot Life:	→	<4 days

MIXING INSTRUCTIONS: Premix Parts A and B in original container prior to combining. Add Part B to Part A and mix until uniform.

CURING INSTRUCTIONS: Best results are obtained when product is cured at one of the following schedules:

- 90 mins @ 80°C or
- 15 mins @ 120°C or
- 5 mins @ 150°C or
- 45 secs @ 175°C

TYPICAL PROPERTIES:

Property	Value	Units
Viscosity	Smooth Paste	-
Volume Resistivity	0.0002 to 0.0004	Ω-cm
Thermal Conductivity	6.5	W/mK
Glass Transition Temperature (Tg)	120	°C
Coefficient of Thermal Expansion - Below Tg	33 x 10 ⁻⁶	in/in/°C
- Above Tg	84 x 10 ⁻⁶	in/in/°C
Tensile Shear Strength, min.	1500	psi
Solvent Resistance	Excellent	-
Solderable	No	-
Specific Gravity	2.6	g/cc
Useful Temperature Range	-55 to 200	°C
Thermal Stability	Good to 300	°C

SUGGESTED 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.

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

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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