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124-08LVC

ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 124-08LVC is a one part, heat cured, flexible, silver-filled epoxy adhesive used for making electrical and mechanical attachments on electrical components and devices. The 124-08LVC 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. 124-08LVC is lower viscosity version of 124-08C.

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
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 AND CURING INSTRUCTIONS: Material is ready to use as received. Remove product from freezer and allow material to warm to room temperature before opening container. 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

STORAGE: Shelf life: < 4 days at 25°C; or 2 months at -10°C; or 6 months at -40°C.

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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