CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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125-46A/B

ECONOMICAL, ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 125-46A/B is an easy to use, 1 to 1 mix ratio, two part, heat cured, flexible, silver–filled epoxy adhesive used for making electrical and mechanical attachments on electrical components and devices.   Unlike typical heat curing systems, this product always results in excellent conductivity and is less sensitive to handling and ambient conditions. The 125-46A/B 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^{TM} jet dispenser. 125-46A/B is an economical version of 124-08A/B.

	Part A	Part B	Part C
Appearance:	Silver	Silver	Silver
Viscosity: (CP-51 2.5 RPM, 25°C)	---	---	30 - 40k cps
Mix Ratio (by weight):	1	1	- -
Pot Life:	→	→	< 4 days

MIXING INSTRUCTIONS: Premix each part in their original containers 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	@	85°C or
15 mins	@	120°C or
5 mins	@	150°C or
45 secs	@	175°C

TYPICAL CURED PROPERTIES:

Property	Value	Units
Volume Resistivity	< 0.01	Ω-cm
Thermal Conductivity	> 6.5	W/m-K
Glass Transition Temperature (Tg)	120	°C
Die Shear Strength, min.	> 30	Newtons
Solvent Resistance	Excellent	-
Specific Gravity	3.49	g/cc
Useful Temperature Range	-55 to 200	°C
Thermal Stability	Good to 300	°C

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.

REVISION DATE: 2/28/12 REVISION: A