CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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125-16

ANISOTROPICALLY CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 125-16 is a syringe dispensable, anisotropically conductive, epoxy adhesive. This product features excellent adhesion to a variety of metallic contact pad compositions as well as other substrates. Unlike conventional conductive materials, this product is very resistant to solvents, heat, and thermocycling. Applications for 125-16 include, but are not limited to, conductive splicing of ribbon cables, electrical attachment of surface mounted devices and bonding of flex circuits to PC boards and electroluminescent panels. This system features excellent thermal stability.

PROPERTIES:

Consistency	Thick Paste
Filler	Silver
Glass Trans. Temp. (°C)	105
Volume Resistivity (ohm-cm)	
• Z- Axis:	0.001
• X and Y Axis:	1×10^{12}
Solderable	No
Useful Temperature Range (°C)	-55 to 200
Lap Shear Strength (psi)	1000

SAFETY AND 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.

SUGGESTED HANDLING AND CURING: Material is ready to use as received. Store frozen to maintain consistent flow properties. Allow material to warm up to room temperature before dispensing. As an adhesive, apply the 125-16 to one or both parts, then mate the parts and cure for 5 - 10 minutes at 150°C, or 4 - 5 minutes at 175°C, while maintaining pressure. The amount of pressure required should be experimentally determined based on the curing temperature and geometry of the components. Typically a pressure of 100 psi, or greater is required. Allow to cool to room temperature before removing pressure.

STORAGE: 6 months at –10°C.

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

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