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123-39C**ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE**

DESCRIPTION: 123-39C is a one part, heat cured, flexible, silver-filled epoxy adhesive. The 123-39C is stencil printable and may be 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. 123-39C is a pre-catalyzed version of 123-39A/B.

TYPICAL PROPERTIES:

| Property | Value | Units |
|---|---------------------|---------------------|
| Volume Resistivity | 0.0002 to 0.0004 | Ω -cm |
| Thermal Conductivity | 6.5 | W/mK |
| Glass Transition Temperature (Tg) | 110 | $^{\circ}$ C |
| Coefficient of Thermal Expansion - Below Tg | 37×10^{-6} | in/in/ $^{\circ}$ C |
| - Above Tg | 74×10^{-6} | in/in/ $^{\circ}$ C |
| Tensile Shear Strength, min. | 1500 | psi |
| Thixotropic Index | > 4.0 | - |
| Solvent Resistance | Excellent | - |
| Solderable | No | - |
| Specific Gravity | 2.6 | g/cc |
| Useful Temperature Range | -55 to 200 | $^{\circ}$ C |
| Thermal Stability | Good to 300 | $^{\circ}$ 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 $^{\circ}$ C or
15 mins @ 120 $^{\circ}$ C or
5 mins @ 150 $^{\circ}$ C or
2 mins @ 175 $^{\circ}$ C

STORAGE: Shelf life: < 4 days at 25 $^{\circ}$ C; or 6 months at -40 $^{\circ}$ 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 expressed or implied with respect to results or possible infringements on patents.

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