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## 121-34

### FLEXIBLE ELECTRICALLY CONDUCTIVE ADHESIVE

**DESCRIPTION:** 121-34 is a flexible electrically conductive adhesive. This product features excellent adhesion to Kapton, Mylar, glass and a variety of other substrates. Unlike conventional conductive materials, this product is very resistant to flexing and creasing. Product can be rebonded many times by simply applying heat and slight pressure. Some applications for 121-34 include, but are not limited to, electrical attachments for surface mounted devices and heat sealing openings in emi/rfi enclosures. 121-34 is useful for applications requiring flexibility at very low temperatures. 121-34 is a higher temperature resistant version of 120-25.

#### TYPICAL CURED PROPERTIES:

|                                 |             |
|---------------------------------|-------------|
| Consistency                     | Liquid      |
| Filler                          | Silver      |
| Crease Resistance               | Excellent   |
| Volume Resistance (ohm-cm)      | 0.0005      |
| Sheet Resistivity (ohm/sq./mil) | 0.2         |
| Solderable                      | No          |
| Hydrolytic Stability            | Excellent   |
| Useful Temperature Range (°C)   | -55 to 150  |
| Thermal Stability (°C)          | Good to 200 |

**SUGGESTED HANDLING & CURING:** 121-34 is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI Thinner #203. Prior to using, be certain to resuspend silver. Best properties, for most applications, result when dried several minutes at 100°C followed by curing under pressure for 5-10 minutes at 180°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 50°C to 175°C. When used as a sealant, apply adhesive to surfaces to be bonded and dry for several minutes at 150°C, then place substrates together while heating and applying slight pressure. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 6 months at 25°C; or 9 months at 5°C; or 12 months at -10°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.