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## **124-33(S)**

### **SOLVENT RESISTANT FLEXIBLE ELECTRICALLY CONDUCTIVE ADHESIVE**

**DESCRIPTION:** 124-33(S) is a solvent resistant 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. Some applications for 124-33(S) include, but are not limited to, electrical attachments for surface mounted devices and heat-sealing openings in emi/rfi enclosures. 124-33(S) is a thermosetting version of 124-33 that is chemical and age resistant.

#### **TYPICAL PROPERTIES:**

Viscosity (HAT, #TA @10 rpm)	18,000 – 22,000
Filler	Silver
Crease Resistance	Excellent
Volume Resistance ( $\Omega$ -cm)	0.0005
Sheet Resistivity ( $\Omega$ /sq./mil)	0.20
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 120
Thermal Stability (°C)	Good to 200

**SUGGESTED HANDLING & CURING:** 124-33(S) is ready to use as supplied. Further thinning may be accomplished by adding small amounts of CMI thinner 102-03. Prior to using, be certain to re-suspend silver. Best properties, for most applications, result when dried several minutes at 85°C followed by curing for 5-10 minutes at 175°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 110°C to 175°C. Not recommended for applications that cannot cure above 110°C. When used as a sealant, apply adhesive to surfaces to be bonded and dry for several minutes at 85°C, then place substrates together while heating and applying slight pressure and cure. End user is advised to experimentally determine temperature and time best suited for individual applications.

**STORAGE:** Shelf life: 2 months at 25°C; or 6 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.

*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 suitability in a particular application or possible infringements on patents.*