CREATIVEMATERIALS

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ISO 9001 CERTIFIED

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122-35

CARBON FILLED, THERMOPLASTIC BASED, ELECTRICALLY CONDUCTIVE ADHESIVE

DESCRIPTION: 122-35 is a flexible, thermoplastic based, carbon-filled, 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 122-35 include, but are not limited to, heat sealing, and static dissipation. 122-35 is a higher resistance version of CMI 107-25. The 122-35 is designed to be blended with 107-25, to obtain a variety of different volume resistances.

TYPICAL CURED PROPERTIES:

Viscosity (cps.)	4,500 – 6,800
Filler	Carbon
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	7×10^4
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 140
Thermal Stability (°C)	Good to 325

SUGGESTED HANDLING & CURING: 122-35 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 resuspend fillers. Best properties, for most applications, result when processed under the following conditions. Apply the adhesive to surfaces to be bonded and dry for 5 minutes at 125°C, then place substrates together while heating and applying pressure. A temperature of 175°C and pressure of 100 psi. is recommended. It is preferable to allow the adhesive to cool to room temperature, before removing the pressure. End user is advised to experimentally determine temperature and pressure 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.

REVISION DATE: 3/21/02 REVISION: A