

Creative Materials, Inc.
12 Willow Road
Ayer, MA 01432

T 978.391.4700
F 978.391.4705

120-03

STENCILABLE, FLEXIBLE, ELECTRICALLY CONDUCTIVE ADHESIVE

DESCRIPTION: 120-03 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 flexible. Product can be rebonded many times by simply applying heat and slight pressure. Some applications for 120-03 include, but are not limited to, electrical attachments for surface mounted devices and heat sealing openings in emi/rfi enclosures. 120-03 is useful for applications requiring flexibility at very low temperatures. 120-03 is a stencilable version of CMI 107-02.

TYPICAL CURED PROPERTIES:

Consistency	Thick Liquid
Filler	Silver
Crease Resistance	Excellent
Volume Resistance (ohm-cm)	0.004
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to 120
Thermal Stability (°C)	Good to 200

SUGGESTED HANDLING & CURING: 120-03 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 for 5-10 minutes at 175°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.