



Creative Materials, Inc.
141 Middlesex Road
Tyngsboro, MA 01879

T 978.649.4700
F 978.649.2040

119-05

STENCILABLE, ELECTRICALLY CONDUCTIVE ADHESIVE

DESCRIPTION: 119-05 is a stencilable, single component, silver filled, electrically conductive epoxy adhesive suitable for application by stenciling and syringe dispensing. This product is designed for assembling electrical and electronic components. 119-05 has been formulated to remain in a liquid state for up to 5 days without drying out, thus providing a long working period (prior to curing) between application of the adhesive and the actual bonding of the part.

TYPICAL CURED PROPERTIES:

Viscosity (cps)	175,000
Filler	Silver
Percent Silver, cured	> 70
Volume Resistivity (ohm-cm)	0.00015
Solderable	No
Hydrolytic Stability	Excellent
Useful Temperature Range (°C)	-55 to +200
Thermal Stability (°C)	Good to 325
T-Shear Strength (psi)	1500
Thermal Conductivity (W/mK)	8.13
% Volatiles	Nil

SUGGESTED HANDLING & CURING: 119-05 is ready to use as supplied. Apply adhesive to surface to be bonded by hand and/or automatic method and assemble. Apply slight pressure to assure good mating of surfaces and formation of fillet. Best properties for most applications result when cured for 30 minutes at 175°C. Good properties are obtained on a variety of substrates by curing at temperatures ranging from 150°C to 200°C. End user is advised to experimentally determine temperature and time best suited for individual applications.

STORAGE: Shelf Life - 1 month at 25°C; or 6 months at 5°C; or 9 months at -2°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 results or possible infringements on patents.

REVISION DATE: 10/17/07 REVISION: F