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## 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.