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ISO 9001 CERTIFIED

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## 126-32Bk JETTABLE EPOXY SURFACE MOUNT ADHESIVE

**DESCRIPTION:** 126-32Bk is a black, jettable, high performance, low temperature curing one part epoxy surface mount adhesive and is recommended for syringe dispensing, stenciling, and jet dispensing. This system features low moisture absorption and has high green strength that prevents movement of components during subsequent operations. This product exhibits no stringing with dispense application and also no sag during cure. Applications include bonding dissimilar materials and stress sensitive devices, sealing and mounting surface devices to substrates.

### UNCURED PROPERTIES:

Color	Black
Hegman ( $\mu\text{m}$ )	< 2.5
Density (g/cc)	1.14
Viscosity, CP-51 @ 1 RPM (cps)	~50,000

### CURED PROPERTIES:

Dielectric Strength (volts/mil)	425
Volume Resistivity ( $\Omega\text{-cm}$ )	$7.1 \times 10^{14}$
Dielectric Constant (1 MHz)	4.3
Dielectric Factor (60 Hz)	0.016
Tensile Lap Shear Strength (psi)	>1000
Glass Transition Temperature ( $^{\circ}\text{C}$ )	97
Hardness (Shore D)	85
Maximum Operating Temperature ( $^{\circ}\text{C}$ )	120
Thermal Conductivity (w/mK)	1.28
Coefficient of Thermal Expansion	45 ppm – below Tg 138 ppm – above Tg

**SUGGESTED HANDLING AND CURING:** Material is ready to use as received. Store at low temperature to maintain consistent flow properties. Allow material to warm up to room temperature before opening container. Cure for 10 minutes @  $120^{\circ}\text{C}$ , or 30 minutes @  $100^{\circ}\text{C}$ , or 60 minutes @  $85^{\circ}\text{C}$  in a box oven. Fast curing speeds can be achieved using infrared curing methods. Can snap cure at  $150^{\circ}\text{C}$ .

**STORAGE:** Shelf Life: < 3 days at  $25^{\circ}\text{C}$ ; or 6 months at  $-10^{\circ}\text{C}$ .

**SAFETY AND 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.*

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