

**126-17****PURPLE EPOXY POTTING COMPOUND**

DESCRIPTION: 126-17 is a purple, one component, epoxy potting and encapsulating compound. The low viscosity and rapid release of air make this product versatile for a variety of potting, encapsulation, and bonding applications. Unlike conventional potting materials, 126-17 allows for low temperature curing with long room temperature working life. This product is also designed to allow for laser marking of cured epoxy surfaces.

TYPICAL PROPERTIES:

Viscosity (CP-51 @ 10/s, 25°C)	5,000 +/- 1,500 cps
Thixotropic Index	< 1.5
Pot Life (days)	<4
Specific Gravity (g/cc)	1.52
Hardness (125°C cure)	<70D
Hardness (175°C cure)	>80D
Coefficient of Therm. Expansion (ppm/°C)	52
Thermal Conductivity (W/mK)	1.36
Glass Transition Temp. (°C)	70
Fungus Resistance	Non-Nutrient
Tensile Strength (psi)	750
Water Absorption (%)	0.01
Dielectric Strength (volts/mil)	>475
Volume Resistivity (Ω-cm)	2.3 x 10 ¹⁵
Power Factor (60 HZ)	0.03
Dielectric Constant (@ 60 HZ)	4.2
Operating Temperature (Continuous)	200°C
(Intermittent)	325°C

SUGGESTED HANDLING AND CURING INSTRUCTIONS: Material is ready to use as received. Remove product from freezer and allow material to warm to room temperature before opening container. Please refer to syringe handling guidelines if prepackaged in syringes.

RECOMMENDED CURE SCHEDULES:

4 hours @ 50°C followed by
2 hours @ 80°C followed by
1 hour @ 100°C followed by
30 minutes @ 175°C

**Slower cures result in lower stress, shrinkage, and elimination of cracks*

STORAGE: <4 days at 25°C, 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.

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