

128-02

FAST CURING ELECTRICALLY CONDUCTIVE EPOXY ADHESIVE

DESCRIPTION: 128-02 is a one component heat cured, silver-filled epoxy adhesive, used for making electrical and mechanical attachments on electronic components and devices when fast curing is needed. This epoxy is useful for syringe dispensing or stencil printing. 128-02 balances high thermal and electrical conductivity with high bond strength. This product exhibits excellent mechanical strength to a wide range of substrates.

TYPICAL PROPERTIES:

Property	Value	Units
Consistency	Paste	-
Color	Silver	-
Volume Resistivity	0.01	Ω -cm
Thermal Conductivity	7.1	W/m-K
Glass Transition Temperature (Tg)	120	$^{\circ}$ C
Coefficient of Thermal Expansion - Below Tg	22×10^{-6}	in/in/ $^{\circ}$ C
- Above Tg	43×10^{-6}	in/in/ $^{\circ}$ C
Die Shear Strength, min.	26	Newton
Solvent Resistance	Excellent	-
Specific Gravity	3.65	g/cc
Useful Temperature Range	-55 to +225	$^{\circ}$ C
Thermal Stability	Good to +325	$^{\circ}$ C

SUGGESTED HANDLING: 128-02 is supplied ready to use. Product should be stored frozen. Allow to come to room temperature gradually to avoid exotherming the material.

CURING INSTRUCTIONS: Best results are obtained when product is cured at one of the following schedules:

Temperature ($^{\circ}$ C)	90% Cure	100% Cure
85	60 min.	4 hr.
105	30 min.	2 hr.
125	10 min.	30 min.
150	2 min.	5 min.

STORAGE: Shelf life: Up to 8 hours at 25 $^{\circ}$ C; 3 months at -40 $^{\circ}$ 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 suitability in a particular application or possible infringements on patents.

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