

Electrically conductive ink Ag 670 EI

Application: Ag 670 EI is a two part conductive epoxy adhesive designed for component attachment as SMD LED on membrane keypads and flexible/rigid circuits in general. Ag 670 EI combines excellent adhesion to most metal and plastic substrates with high conductivity.

MIX RATIO

Spill component B (Ag 670/B EI) in the component A (Ag 670/A EI) plastic container and gently stir for about 30". Mixed system preserve its properties for about 1÷2 hours (pot life).

BENEFITS

- Adheres to most electronic substrates
- Very good conductivity
- No brittle cured paste allow a certain flexibility of the *soldered* component
- Good solvent resistance

Cure schedule ^{#1}

room temp. (20÷25°C)	24 hours ^{#2}
60°÷70°C	2 hours
~90°C	120 minutes
125°C	15 minutes ^{#3}
150°C	5 minutes ^{#4}

^{#1}: cure times above are intended as guidelines to provide a starting point for evaluation.

^{#2}: curing at room temperature only is not recommended: heat curing gives increased bond.

^{#3}: best conditions.

^{#4}: pre-dry (80-90°C/5 minutes) is recommended. Shock curing (temp.>150°C) is not recommended.

Table 1. TYPICAL PROPERTIES

Solid content

> 90%

Aspect

Smooth, thixotropic paste

Volume resistivity

< 0.00005 Ω·cm

SHELF LIFE

Min. 6 months when properly stored in tightly closed containers at room temperature (< 25°C).

DISCLAIMER

The data published in this document come from experiments carried out in our laboratories and performed in conditions believed to be the most commonly accepted by the industry. It is the end-user's responsibility to check whether this product can be efficiently used in his specific process and under his specific industrial conditions which Chimet can neither control nor foresee. Chimet makes no warranties expressed or implied arising from the product use. Chimet specifically disclaims any liability for consequential or incidental damages of any kinds, including lost profits.

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