

# 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 <sup>#1</sup>

room temp. (20÷25°C)	24 hours <sup>#2</sup>
60°÷70°C	2 hours
~90°C	120 minutes
125°C	15 minutes <sup>#3</sup>
150°C	5 minutes <sup>#4</sup>

<sup>#1</sup>: cure times above are intended as guidelines to provide a starting point for evaluation.

<sup>#2</sup>: curing at room temperature only is not recommended: heat curing gives increased bond.

<sup>#3</sup>: best conditions.

<sup>#4</sup>: 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

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