

EI-1104 Ink

SILVER CONDUCTIVE INK

Product Description

EI-1104 ink is formulated for inkjet deposition and for applications that require high conductivity. This unique particle free ink has stable jetting performance and a long shelf life at room temperature. The low curing temperature makes the EI-1100 series suitable for PI, glass and silicon nitride.

Product Highlights

- Particle Free Silver Conductive Ink
- High Electrical Conductivity
- High stability
- Confirmed compatibility with the following inkjet heads: Dimatix, DMP, 10pL

Ink Processing

Handling

- Store at room temperature in a tightly sealed container
- Print and cure in a well-ventilated area

Curing

- 140°C for 60 minutes or 160 °C for 30 minutes in a convection oven

Table 1-Typical Ink Physical Properties

Properties	Values
Color	Light Yellow, Translucent Liquid
Viscosity	10 cPs
Solid Content	14%
Shelf Life	>2 months

Note: Shelf life is from date of qualification in original seal. Do not return product to original container, due to possible contamination during use.

Table 2-Typical Electrical Properties (cont.)

Properties	Values
Bulk Conductivity	<60% of bulk Ag at 1um thick <80% of bulk Ag at 2um thick
Clean-up Solvent	Isopropanol