

K-3980**ELECTRICALLY CONDUCTIVE MEDICAL ELECTRODE INK****(SILVER / SILVER CHLORIDE PASTE)****DESCRIPTION:**

- ① Medical-grade, electrically conductive paste suitable for application by screen printing, dipping, etc.
- ② Excellent adhesion to substrates such as PET, PI and glass
- ③ Key features: excellent flex and crease resistance; leaves no mesh marks
- ④ Intended applications: ECG and TENS electrodes, biosensors, etc.

TYPICAL PROPERTIES (AFTER DRYING):

Viscosity (Pa·s)	45
Filler (Conductive Particles)	Silver / Silver Chloride
Ag : AgCl Ratio (wt%)	60 : 40
Volume Resistivity ($\Omega \cdot \text{cm}$)	4.5×10^{-4}
Sheet Resistivity (Ω/sq)	0.03
Useful Temperature Range ($^{\circ}\text{C}$)	-55 to +200
Hydrolytic Stability	Good

SUGGESTED HANDLING & DRYING:

- ① Prior to use, be certain to thoroughly resuspend the silver particles.
- ② If thinning is required, add small amounts of butyl carbitol acetate.
- ③ Best properties are obtained when dried at 130°C for 20 minutes.

STORAGE:

Store refrigerated (0–10°C). Shelf life: 6 months from the date of manufacture.

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. Refer to the SDS (Safety Data Sheet) for further information.