PELNOX, LTD.
Pelnox, Ltd.
8-7 Bodai, Hadano-shi, Kanagawa
259-1302, Japan

www.pelnox.co.jp
ISO 9001 Certified
TEL +81-463-86-8002

K-3983

Ag/AgCl Conductive Ink for Reference Electrodes & Biosensors

Product Overview:

1. Silver/silver chloride (Ag/AgCl) conductive paste for reference electrodes and biosensors; suitable for screen printing and dip coating.
2. Good adhesion to PET, polyimide (PI), and glass substrates.
3. Flexible, bend-resistant cured film with low impedance.
4. Applications: reference electrodes, biosensors, bio-sensing electrodes, and R&D prototypes.

Typical Properties:

Viscosity (Pa·s)	60
Conductive Filler	Silver / Silver Chloride
Ag : AgCl Ratio (wt%)	50 : 50
Volume Resistivity (Ω·cm)	1.25×10^{-3}
Sheet Resistance (Ω/sq)	0.50
Operating Temperature (°C)	-55 to +200
Hydrolysis Resistance	Good

Handling and Drying / Curing Conditions:

1. Mixing / redispersion: Stir thoroughly before use to redisperse the silver particles.
2. Viscosity adjustment: If needed, add Butyl Carbitol Acetate gradually in small amounts.
3. Recommended drying / curing: 130°C for 20 minutes for optimum properties.

Storage Conditions:

Store refrigerated at 0-10°C. Shelf life: 6 months from the date of manufacture.

Safety Precautions:

Use in a well-ventilated area. Keep away from sparks and open flames. Avoid prolonged skin contact and inhalation of vapors. If on skin, wash with soap and water. Refer to the SDS (Safety Data Sheet) for details.

Revised: 2026/07/21