



Silver Conductive Paste/Ink

Product Catalogue

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Working

The Silver conductive paste is highly conductive in nature. It is also known as a conductive ink by many. Mostly it used for research and industries, but it is mainly an industrial-grade. This innovative paste made from a unique combination of compounds, which is developed precisely to form the electrically conductive glue. It usually used to convert an insulative surface into a conductive surface. A silver-loaded conductive paste specially produced for application in Scanning electron microscopy (SEM) and other electron-optical applications can also work for manufacturing or repairing PCB track to paste-on an electrical screen, or to make electrical connections to non-solderable surfaces. This conductive adhesive is easy to use with a brush and is touch-dry in around 10 minutes and useful in 30 minutes.

Product Code: SILVINK

Technical Properties

<i>SPECIFICATIONS</i>	<i>VALUES</i>
Density	1.8 gm/ml
Volume Resistivity	0.01 ohms/sq
Adhesion	Excellent to most plastic substrates
Thinner	Aromatic hydrocarbon
Curing Time	One hour at $27\pm 2^{\circ}$ C surface dry and Touch dry after 4 hours $27\pm 2^{\circ}$ C
Shelf-Life	6 Months Unopened
Particle Size	1-3 microns
Viscosity	4-5 Pa.s
Capillarity properties	Solvent-based so wetting to glass steel nylon(polymers)

Applications

- Digital Printing
- Solar cell
- Optoelectronics
- Radio-frequency identification (RFID)
- Photovoltaics
- Bio-sensors
- Printed electronics industry
- Aerospace



Features

- Excellent electrical conductivity and low surface resistivity
- Warming at 120°C for 30 mins, later drying enhances mechanical and electrical properties
- Exceptional adhesion to a variety of materials
- Comfortable & Economical in use
- Simple to use and quick-drying
- Apply paste by using brush

Safety Instructions

- Ventilation is a must during operation.
- It is advisable to avoid skin contact.
- Cover nose and face with a better quality mask.
- Wash affected area immediately to avoid prolonged contact.
- Keep in a dry and cool place.
- Close bottle cap tightly to avoid the vaporization of a volatile solvent.
- Do not place the product up to children's reach.
- Do not consume.
- The shelf life is short, hence use it as soon as possible after open the seal.

Packaging

Close the cap tightly and tightly store the containers at room temperature with lids. We are not responsible if the product is stored in appropriate conditions. The material should not be stored at temperature below 0 °C or greater than 30 °C.

Handling

When handling, the researcher should use powder-free non-latex gloves, which should be held carefully. While experimenting, if the operator uses ink with bare hands, the chances of contamination due to finger oil are very high. Therefore, it is advised to use nylon or polyester gloves.



Feel Free to Reach Us

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