SILVER CONDUCTIVE INK

MAGRON SInk01NP® is a screen-printing silver paste with stretchable properties. It can be used in several applications such as wearable electronics, sensors and medical devices. The SInk01NP® can be printed on a variety of substrates such as textiles, elastomer substrates, PET, Polyimide, and glass, among others.

INK FEATURES

- ✓ High conductivity
- ✓ Of easy cleaning
- ✓ Easy screen printable
- ✓ Stretchable
- ✓ Flexible
- ✓ Easy processability

INK PROPERTIES

Apparency	Silver
Cure processing	Thermal cure
Solids content	65%
Viscosity	8 000 – 20 000 cP
Volume resistivity (120 ºC)	<72 µΩ.cm
Sheet resistance (120 ºC)	<29 mΩ/sq
Coverage	20 m^2/kg

HANDLING PROPERTIES

Processing	Let the ink reach room temperature and stir slowly with a spatula to avoid formation of air bubbles
Printing equipment	Screen printer, doctor blade printing, stencil printing
Screen meshes	90-120T polyester mesh
Squeegee	30 - 80 shores
Drying conditions	120˚C for 20 minutes in a regular or ventilated oven
Clean-up solvent	MAGRON cleaning solvent **Clear100NP** on press wash and mesh opener
Substrates	Glass, PET, PEN, MELINEX, Textile (…)
Storage	Should be kept well sealed in its container in a fridge at 4 ºC
Shelf-life	Ink in an unopened container has a recommended shelf life of 6 months from the date of delivery

MAGRON CO., LTD.
#403, 3-dong, Gyeonggi Technopark, 705 Haean-ro, Sangnok-gu,
Ansan-si, Gyeonggi-do 15588, Republic of Korea
Tel: +82-31-500-4632 Fax: +82-31-500-4631
E-mail: magron@magron.co.kr
Web: www.magron.kr / www.ferrofluidmagron.com

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