

SIInk01NP is a screen-printing silver past that have stretchable properties. It can be used in several applications such as wearable electronics, sensors and medical devices. The **SIInk01NP** can be use in a variety of substrates such as: textiles, elastomers substrates, PET, Polyimide, glass, among others.

Benefits

- Low temperature curing temperature (80-200°C)
- Electrical conductivity (<29 mΩ/□/mil)
- Resistance change <10%
- Stretchable up to 140%

Properties

Viscosity	8 – 20 Pa.s
Volume resistivity	<72μΩ.cm (120°C)
Sheet resistance	<29mΩ/sq (120°C)
Coverage	240 cm ² /g at 5-7 μm
Density	2.1 g/cm
Solids content	~ 65 %

Processing conditions:

Screen meshes	120T polyester mesh
Printing speed	30-80mm/s
Squeegee	80A Shore
Cure conditions	10min @ 120°C (PET)

Nanopaint do not assumes any responsibility if the past is not stored in appropriate conditions or if the past have been contaminated.

Preparation and storage:

For optimum results, the containers should be stored in a **fridge (4°C)** tightly sealed. Before use, ensure that the material reach room temperature and the past must be stirred with a spatula avoid incorporation of air bubbles. The paste shelf-life for an unopened container is **6 months** from date of **shipment**.