

TIInkS02NP is a screen-printing transparent conductive silver ink printable paste that is used for thin film PV, display, sensors and general printed electronics applications. It can be used in several applications such as wearable electronics, sensors and medical devices. The **TIInkS02NP** can be used in a variety of plastic substrates and glass.

Benefits

- Water-based ink
- Electrical conductivity (<100 Ω /sq)
- Transparency >90% (550nm)
- Thermoplastic screen printable or doctor blade coating

Properties

Viscosity	< 5 Pa.s
Sheet resistance	<100 Ω /sq (140°C)
Coverage	1000 cm ² /g at
Density	1.1 g/cm
Solids content	~ 5 %

Processing conditions:

Screen meshes	120T polyester mesh
Printing speed	30-80mm/s
Squeegee	80A Shore
Cure conditions	20min @ 140°C (PET)

Nanopaint does not assume any responsibility if the paste is not stored in appropriate conditions or if the paste has been contaminated.

Preparation and storage:

The ink should be gently stirred before use, avoiding incorporation of air bubbles.

For optimum results, the containers should be stored in a **fridge (4°C)** tightly sealed. Before use, ensure that the material reaches room temperature. The paste shelf-life for an unopened container is **6 months** from date of **shipment**.

