

## BENDABLE CONDUCTIVE SILVER INK

Nanopaint’s **BSInk02NP**<sup>®</sup> is a screen-printing silver conductive ink. It can be used for in-mold electronics since it presents consistent behavior before and after thermoforming processes. The **BSInk02NP**<sup>®</sup> can be printed on a variety of substrates such as PVC, PET, TPU, polycarbonate, polyacrylates, acrylates and polyurethane.

### INK FEATURES

- ✓ Bendable
- ✓ Suitable for thermoforming & High Pressure Forming
- ✓ Easy screen printable
- ✓ Of easy cleaning
- ✓ Fast Curing
- ✓ Easy processability

### INK PROPERTIES

Apparency	Grey
Cure processing	Thermal cure
Viscosity	4000 – 8000 cP
Sheet Resistance	<30 mΩ/sq
Sheet Resistance (after Thermoforming)	<120 mΩ./sq

### HANDLING PROPERTIES

Processing	Stir with a spatula before using
Printing equipment	Screen printer, doctor blade printing
Screen meshes	48-90T polyester mesh
Squeegee Hardness	60-75A
Drying conditions	60-100°C for 5 minutes
Substrates	Glass, PET, PVC, PC, PMMA, TPU, Textile
Clean-up solvent	Nanopaint’s cleaning solvent <b>Clear100NP</b> on press wash and mesh opener
Storage	Should be kept well sealed, in a cool and dry place, and away from direct sunlight.
Shelf-life	Ink in an unopened container has a recommended shelf life of 4 months from the date of delivery

