

## Conductive Carbon Ink

Nanopaint’s CIMInk01NP® is a screen-printing carbon conductive ink that can be also used for in-mold electronics due to its bendable properties. The CIMInk01NP® can be printed on a variety of substrates such as PVC, PET, TPU, polycarbonate, polyacrylates, acrylates, and polyurethane.

### INK FEATURES

✓ Suitable for thermoforming	✓ Of easy cleaning
✓ Easy screen printable	✓ Fast Curing
✓ Low resistance	✓ Easy processability
	✓ Flexibility

### INK PROPERTIES

Apparency	Black
Cure processing	Thermal cure
Viscosity	20 000 – 25 000 cP
Sheet Resistance (25 µm)	38 Ω/sq

### HANDLING PROPERTIES

Processing	Stir with a spatula before using
Printing equipment	Screen printer, doctor blade printing
Screen meshes	65 - 140T polyester mesh
Squeegee Hardness	60-70A
Low thermal cured	80 °C – 120 °C for 5-10 minutes
Substrates	Glass, PET, PVC, PC, PMMA, TPU
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 6 months from the date of delivery

