Conductive Carbon Ink

MAGRON 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

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

INK PROPERTIES

Apparency	Black
Cure processing	Thermal cure
Viscosity	20 000 – 25 000 cP
Sheet Resistance	<10 Ω/sq/mil
Volume Resistivity	<3 mΩ.cm

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
Drying conditions	120˚C for 5-10 minutes
Substrates	Glass, PET, PVC, PC, PMMA, TPU
Clean-up solvent	MAGRON cleaning solvent **Clear100NP** 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

MAGRON
Specialized magnetic material

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