CONDUCTIVE COPPER INK FOR IN-MOLD ELECTRONICS

MAGRON CopInk01NP® is a screen-printing copper conductive ink that can be used for In-mold electronics. The **CopInk01NP®** can be printed on a variety of substrates such as PVC, PET, TPU, polycarbonate, polyacrylates, acrylates, and polyurethane.

INK FEATURES

✓ Bendable	✓ Of easy cleaning
✓ Low-temperature curing	✓ Fast curing
✓ Easy screen printable	✓ Easy processability
✓ High stability	✓ Flexible

INK PROPERTIES

Apparency	Copper/Orange
Cure processing	Thermal cure
Viscosity	4000 – 8000 cP
Sheet Resistance	<3 Ω/sq
Volume Resistivity	<3 mΩ.cm

HANDLING PROPERTIES

Processing	Stir with a mechanical stirrer before using After stirring, make sure that we ink do not have air bubbles
Printing equipment	Screen printer, doctor blade printing
Screen meshes	48-90T polyester mesh
Squeegee Hardness	60-75A
Drying conditions	100-140˚C for 5 minutes
Substrates	Paper, Glass, PET, MELINEX, PVC, PC, TPU, Textile
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 4 months from the date of delivery

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Safety Data Sheets (SDS) are available by emailing us or contacting your sales representative. Always consult the appropriate SDS before using any of our products. The information and the products are for use by technically skilled people at their own discretion and risk and do not relate to the use of this product in combination with any other substance or any other process.

MAGRON
Specialized magnetic material

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