MAGRON
Specialized magnetic material

TRANSPARENT SILVER CONDUCTIVE INK

MAGRON TInk02NP® is a transparent conductive silver ink that is used for thin-film PV, display, sensors and general printed electronics applications. The **TInk02NP®** can be used in a variety of plastic substrates and glass.

INK FEATURES

- ✓ High conductivity
- ✓ High transparency
- ✓ Easy screen printable
- ✓ Of easy cleaning
- ✓ Flexible
- ✓ Easy processability

INK PROPERTIES

Apparency	Silver dispersion
Cure processing	Thermal cure
Solids content	5%
Viscosity	<5 000 cP
Sheet resistivity	<100 Ω/sq (140 ºC)
Transparency	>94% (600nm)

HANDLING PROPERTIES

Processing	Let the ink reach room temperature and stir gently with a spatula to avoid the formation of air bubbles
Printing equipment	Screen printer, doctor blade printing
Screen meshes	120T polyester mesh
Squeegee Hardness	60-75 Shores
Drying conditions	140˚C for 20 minutes in a regular or ventilated oven
Clean-up solvent	MAGRON cleaning solvent **Clear100NP** on press wash and mesh opener
Substrates	Glass, PET, PEN, MELINEX, (…)
Storage	Should be kept well sealed in its container in a fridge at 4 ºC.
Shelf-life	Ink in an unopened container has a recommended shelf life of 6 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.