STRETCHABLE WATER-BASED CARBON CONDUCTIVE INK

MAGRON WBC01S® is a screen-printing carbon paste with stretchable properties. It can be used in several applications such as wearable electronics, sensors and medical devices. The WBC01NP® can be printed on a variety of substrates such as textiles, elastomer substrates, PET, Polyimide, and glass, among others.

INK FEATURES

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

INK PROPERTIES

Apparency	Black
Cure processing	Thermal cure
Solids content	30%
Viscosity	5 000 – 10 000 cP
Surface resistivity	<10 Ω/sq/mil

HANDLING PROPERTIES

Processing	Stir the ink with a spatula
Printing equipment	Screen printer, doctor blade printing
Screen meshes	55-100T polyester mesh
Squeegee	60-70 shores
Drying conditions	100˚C for 5 minutes in a regular or ventilated oven
Clean-up solvent	Water, Acetone, MAGRON cleaning solvent **Clear100NP** on press wash and mesh opener
Substrates	Glass, PET, PEN, MELINEX, Textile (…)

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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.

Storage	Should be kept well sealed in a cool, dry location. Protect from direct sunlight and keep in a well-ventilated area
Shelf-life	Ink in an unopened container has a recommended shelf life of 6 months from the date of delivery

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