PIEZORESISTIVE INK

MAGRON SBPR03InkNP® is a thermoplastic screen printable piezoresistive ink. It is a low-temperature curable ink that is flexible on an appropriate substrate. The ink can be used for pressure and force sensors for printed electronic application. This ink have an excellent adhesion to MELINEX, PET, Milar, Polycarbonate, Acrylates, PVC, etc.

INK FEATURES

- ✓ Carbon-based
- ✓ Piezoresistive behaviour
- ✓ Of easy cleaning
- ✓ Excelent adhesion to plastic materials
- ✓ Moulding resistance
- ✓ Easy printability

INK PROPERTIES

Apparency	Black
Cure processing	Thermal cure
Solid content (%)	35%
Viscosity	8 000 – 10 000 cP
Piezoresistive response	up to 20%
Coverage	60 m^2/Kg
Shelf Life	4 months

HANDLING GUIDELINES

Processing	Stir vigorously with a spatula
Printing equipment	Screen printer, doctor blade printing
Mesh count (Th/cm)	55 – 100
Squeegee hardness	75 Shores
Cure conditions	100˚C – 120˚C for 3-5 minutes in a regular or ventilated oven
Clean-up solvent	MAGRON cleaning solvent **Clear100NP**

MAGRON CO., LTD.
#403, 3-dong, Gyeonggi Technopark, 705 Haean-ro, Sangnok-gu,
Ansan-si, Gyeonggi-do 15588, Republic of Korea
Tel: +82-31-500-4632 Fax: +82-31-500-4631
E-mail: magron@magron.co.kr
Web: www.magron.kr / www.ferrofluidmagron.com

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.