

STRETCHABLE | CONDUCTIVE | PRINTABLE

Product-no. Flexink-sens-118-00xx

Version 03/ 2018

Product description

Flexink-sens is a resistive, sensitive, highly elastic ink for printing on flexible and elastic substrates. Flexink-sens is ideally suited for the production of printed pressure sensors due to high sensitivity.

Properties

Selected properties of Flexink-sens-118-00xx: are shown in the table.

Processing

Flexink-sens-118-00xx is designed for Screen Printing.

Substrates

- Elastomers, Rubber, PU
- Direct- and transfer printing of Textiles,

Printing Conditions, Drying & Cleaning

All types of polyester or stainless-steel fabric can be used, we recommend a system 43 x80 for Textile and 120 x35 for Polymersubstrates.

For drying we recommend a convective drying System. For cleaning we offer our special cleaner Flexink clean.

Storage

Keep container tightly closed. Use Flexink-sens within 6 months of delivery.

Health and safety

Always wear safety goggles and gloves when handling Flexink. Use only in well-ventilated areas. For detailed safety information, please refer to the MSDS.

Contact

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Physical Properties: Flexink-sens-118-00xx

Material	Carbon Black nano
Density	~ 2.3 g/cm ³
Surface tension	~ 26 mN/m
Viscosity	~ 830 mPa·s
Strain	> 300 %
Specific resistivity [#]	< 1.0x10 ⁻⁴ Ωm

[#] unstretched