

STRETCHABLE | CONDUCTIVE | PRINTABLE

Product-no. Flexink-sens-126-0XX

Version 03/ 2018

Product description

Flexink sens is an electrically resistive, sensitive and highly elastic ink for printing flexible and elastic substrates. Flexink sens is ideally suited for the production of printed sensors due to high extensibility and simultaneous resistance change.

Properties

Selected properties of Flexink-sens-126-0XX are shown in the table.

Processing

Flexink-sens-126-0XX is especially designed for Spray and Aerosol Coating.

Substrates

- Elastomers
- Coated Polymer substrates

Storage

Keep container tightly closed. Observe solvent-resistant substrate. Flexink-sens-126-0XX 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

For further information on Flexink or other products of peptech GmbH, please contact:

peptech GmbH
Siemensstraße 31
71394 Kernen im Remstal
-Germany-

www.peptech.de
info@peptech.de
+49 (0) 7151 2755 900

Physical Properties: Flexink-sens-126-0XX

| | |
|-------------------------------------|---------------------------|
| Density | ~ 0,8 g/cm ³ |
| Surface tension (total) | ~ 26 mN/m |
| Viscosity | ~ 4.2 mPa·s |
| Strain | > 200 % |
| Specific resistance | ~ 65 Ω·mm ² /m |
| Sensitivity ($\Delta R/\epsilon$) | ~ 17,4 |