

- **Electrical properties**

Resistivity $\leq 13 \text{ m}\Omega/\text{sq}/\text{mil} \Leftrightarrow 3.3 \times 10^{-5} \Omega.\text{cm}$.

- **Applications**

Compatible with PET, polycarbonate and polyimide substrate.

- **Major advantages**

Flexibility, good abrasion resistance, high conductivity.

- **Equipment**

Manual, automatic and semi-automatic machines.



PRINTING CONDITIONS



Screens

All types of polyester or stainless steel fabrics can be used with a mesh from 77 to 120 threads/cm.



Squeegees

Polyurethane PO 65 Shore, good sharpness.



Dilution

No dilution has to be performed before printing. Such treatment would deteriorate the conductive properties of the printed patterns. As silver particles exhibit a high density, a sediment forms over time in the ink. It has to be redispersed before printing by stirring (manual stirring is sufficient).



Cleaning

We recommend ethyl acetate as cleaning solvent.



Packaging

500 g or 1 Kg in polypropylene pots.



Storage

9 months in closed pots kept between +5°C and +35°C



Drying

Just after printing, patterns have to be placed in an oven at 150°C for 10 minutes or 130°C for 30 minutes.



Handling

Open pots for sampling must be carefully closed as soon as possible.



Hygiene and safety

Although the chemical compounds chosen for the formulation of our inks are not dangerous, they can produce allergic reactions in some particularly sensitive people. Ink or thinner stains on skin have to be washed immediately using soapy water. In all cases, please refer to our safety datasheets.

Guarantee reserves

Although the data indicated in this technical Data Sheet has been established after thorough tests, they are only given as an indication: the VFP Ink Technologies cannot be held responsible in any way, it being understood that we recommend to make tests before any production run.

No salesman, representative or agent is entitled to provide a guarantee or any insurance which might contradict the above statement. Please always refer to our general conditions of sales.