

- **Electrical properties**
Sheet resistance $\approx 50 \text{ m}\Omega/\square$ printed with a polyester fabric with a mesh equal to 110 threads/cm.
- **Applications**
Compatible with PET and polyimide substrate.
- **Major advantages**
Flexibility, good abrasion resistance.
- **Equipment**
Manual, automatic and semi-automatic machines.

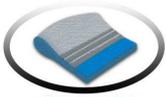


PRINTING CONDITIONS



Screens

All types of polyester fabrics can be used with a mesh equal to 110 threads/cm



Squeegees

Polyurethane A75 Shore minimum, minimal tilt, good sharpness



Packaging

Set of two polypropylene pots:

- Component A: dispersion of conductive particles:.....912.59 g
- Component B: Binder polymer gel:.....87.41 g



Storage

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



Séchage

Just after printing, patterns have to be placed in an oven at 150°C for 20 mins



Handling

Open pots for sampling must be carefully closed as soon as possible. The mixture of the two components A and B can be kept 15 day in an airtight container



Dilution

The ink has been formulated in order to be easily prepared by mixing all of the components A and B. We recommend carrying out the mixture between A and B in container made of the same material as the storage pots (polypropylene).

Smaller volumes can be prepared provided the mass ratio of components A and B is respected. For example: 50 g of ink can be prepared mixing 45.63 g of component A with 4.37 g of component B. As copper coated with silver particles exhibit a high density, a sediment forms over time in component A. It has to be redispersed by stirring before being mixed with component B, especially if small volumes are prepared. In this case the redispersion step is mandatory in order to take volumes of compound A with homogeneous particle distribution and mass fraction



Hygiène 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



Cleaning

We recommend ethyl acetate as cleaning solvent

Guarantee reserves

Although the data indicated in this document have been established after thorough tests, they are only given as an indication. VFP Company cannot be held responsible in any way, it being understood that we recommend making tests before starting 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 sale conditions.