

Transparent Conductive Paste for Screen Printing Process

Denatron Type-P SP-801

- The water based solution formulated the conductive polymer(PEDOT/PSS) .
- Highly transparent and conductive patterns can be produced by printing. Line & Space ca.200μm
- Wet Process, 3D figured is available.

Liquid properties

Items	Typical value
Appearance	Dark blue
Viscosity	200 - 500 mPa·s
pH	2 - 3
Solid Content	2.0%
Shelf life	@5dC > 6 months

Film properties (Coating on PET film)

Items	Typical value
Usage g/m ²	10
Total Transmittance %	> 95
Initial sheet resistance Ω/sq.	280
Sheet resistance after 85dC/85%Rh *500 hours	no change
Sheet resistance after 85dC *500 hours	no change

Example direction how to coat

- ① Apply with the specified coating thickness after calculating the target usage of Sp-801.
*For example, if you want to apply 10g/m² of SP-801.
Undiluted solution apply with 10um(=10g) coating thickness
- ② Dry up over 130dC~ * 1~3 minutes for drying up solvent and cross linked.
* Your dry condition might be not enough because heating capability depends on oven..
If the surface still has tackiness, it would be better to dry up higher temp. and longer minutes.

