

Conductive coating solution for fabric

# Denatron Type-P TX-401

- The water based solution formulated the conductive polymer(PEDOT/PSS) .
- Specialized formulation for dipping for fabric.
- Highly Washability.



## Liquid properties

Items	Typical value
Appearance	Dark blue
Viscosity	10 - 100 mPa·s
pH	6 - 9
Solid Content	4%
Shelf life	@5dC > 6 months

## Film properties (Coating on PET film)

Items	Ex.1	Ex.2	Ex.3
Usage g/m <sup>2</sup>	12	26	34
Total Transmittance %	88.5	74.4	65.8
Initial sheet resistance Ω/sq.	160	80	60
Sheet resistance after 85dC/85%Rh *500 hours	no change	no change	no change
Sheet resistance after 85dC *500 hours	no change	no change	no change

## Example direction how to coat

①Apply with the specified coating thickness after calculating the target usage of TX-401.

\*For example, if you want to apply 10g/m<sup>2</sup> of SP-801.

Undiluted solution apply with 10um(=10g) coating thickness

②Dry up over 100dC~ \* 1~2 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.