

High conductive coating solution

Denatron Type-P TX-401

- The water based solution formulated the conductive polymer(PEDOT/PSS) .
- Fiber electrodes can be fabricated by dipping the fiber in Denatron.
- Good wash durability.

Liquid properties

Items	Typical value
Appearance	Dark blue
Viscosity	50 - 200 mPa·s
pH	6 - 10
Solid Content	4.0%
Shelf life	@5dC > 6 months

Film properties (Dipping on Fiber)

Items	Typical value	
Dipping times	1 times	55
	2 times	30
Sheet resistance $\Omega/\text{sq.}$	3 times	15
	4 times	7

Example direction how to coat

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

*For example, if you want to apply 10g/m² of TX-401.

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.

