

Transparent conductive coating solution

Denatron Type-P P-560ST

- The water based solution formulated the conductive polymer(PEDOT/PSS) .
- Specialized formulation for In-Line coating process.
- Good adhesivity on usual substrates such as Glass, PET, HIPS, PC, Acryl and other films.

Liquid properties

Items	Typical value	
Appearance	Dark blue	
Viscosity	5 - 25 mPa·s	
pH	6 - 8	
Solid Content	2.9%	
Shelf life	@5dC	> 12 months
	@25dC	> 6 months

Film properties (Coating on PET)

Items	Typical value	
Denatron Usage g/m ²	2.0	
Total Transmittance %	> 98	
Stretching magnification	Initial	4E4
	200%	1E5
Sheet resistance Ω/sq.	300%	2E6
	350%	2E7

Example direction how to coat

- ① Prepare dilution solvent (e.g. Pure water) in a bottle.
- ② Apply with the specified coating thickness after calculating the target usage of P-560ST.
※ *For example, if you want to apply 2g/m² of P-560ST and expect above 'Typical value' properties;
e.g.1; Dilute 2times and apply with 4um(=4g) coating thickness (4/2=2.0)
e.g.2; Dilute 5times and apply with 10um(=10g) coating thickness (10/5=2.0)
- ③ Dry up over 70dC~130dC * 0.2~1 minutes for drying up solvent and stretched.
* Your dry condition might be not enough because heating capability is depends on oven..
If the surface still has tackiness, it would be better to dry up higher temp. and longer minutes.

