

Transparent Electrode coating solution DENATRON PT-455

Features

- Based on conductive polymer (PEDOT:PSS)
- High conductivity & High clear
- Excellent substrate adhesion

Applications

- Touch sensor
- Touch switch
- Electromagnetic wave shield



Liquid properties

Item	PT-455-A	PT-455-B
Appearance	Dark blue	Milky white
Main components	Conductive polymer	Additive, Binder resin
Main solvent	Water	Water, Alcohol
pH	2 ~ 3	5 ~ 7
Viscosity	10 ~ 50 mPa · s	2 ~ 30 mPa · s
Shelf life (1-25°C)	> 6 months	> 6 months

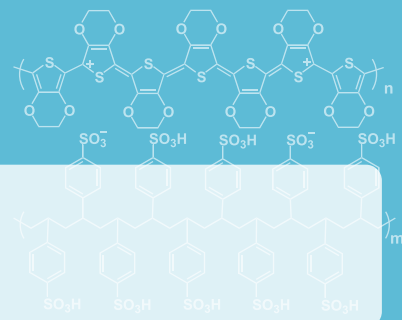
Mix
»

PT-455
Mixing ratio (wt%) A : B = 8 : 2
pH = 2 ~ 3
Solid content 2.5wt%
Shelf life About 1week

Coating film properties

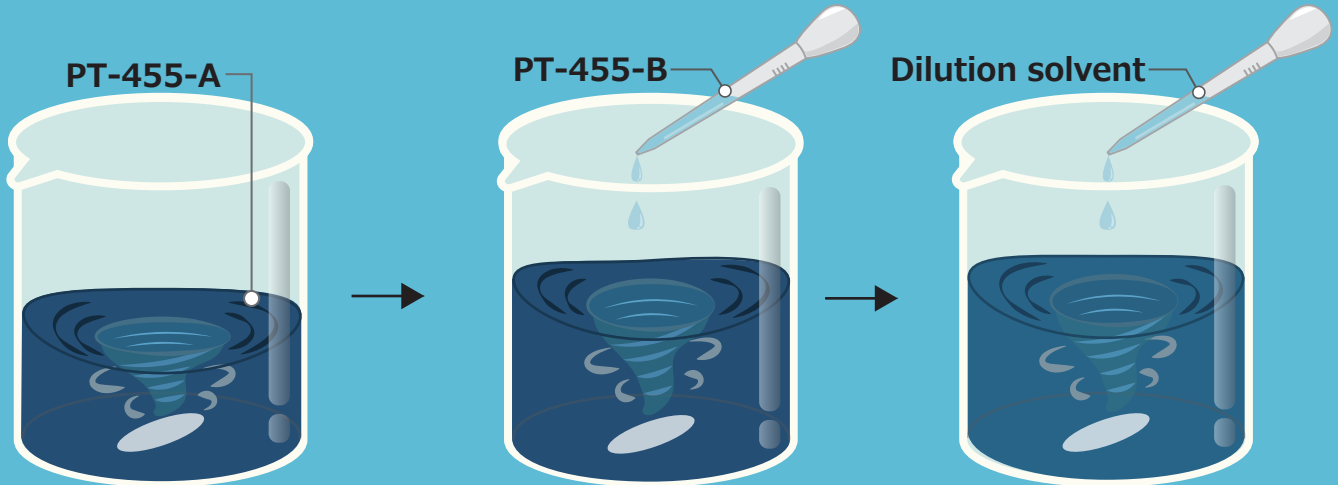
	Mixing ratio(wt%)		Usage (cc/m ²)	Sheet resistance (Ω/sq.)	Total transmittance (%)
	A	B			
ex.1	80	20	4	550	89
ex.2	80	20	12	180	85
ex.3	80	20	22	100	81

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The direction how to ready ink



1 Ready for PT-455-A, and start to mixing.

2 Add P-455-B slowly with mixing.

3 Add dilution solvent slowly with mixing.

※ Recommended solvent :
50% Hydrous ethanol.
(Water 50wt%+Ethanol 50wt%)

Coating method

- 1** Can be used with a variety of coating method.
Coating method such as wire bar coaters, spin coaters, gravure coaters, spray coaters, slit coaters, dip coaters.
Recommended substrates are plastic film (PET, PMMA, TAC, PC etc.) and glass.
- 2** Dry for 2 minutes to 5 minutes using a oven at 80°C to 130°C.

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