

Transparent antistatic coating solution DENATRON F-121CD

Features

- Based on conductive polymer (PEDOT:PSS)
- High Durability & High Clear
- The Water & Alcohol based dispersion

Applications

- Antistatic coating
- Optical film
- Packaging film
- Industrial materials

Liquid properties

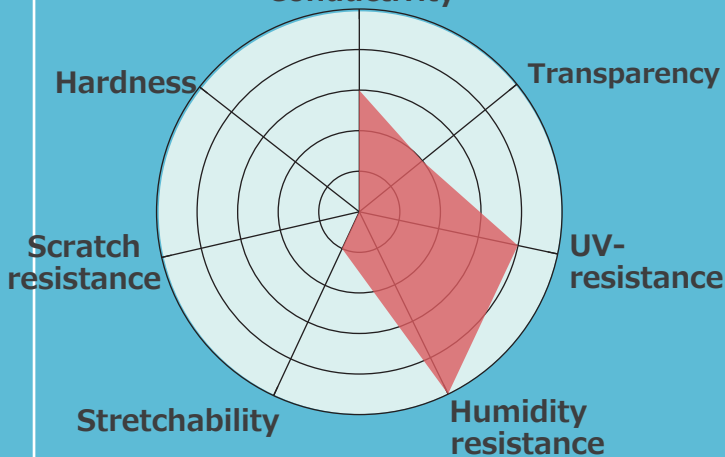
Item	F-121CD
Appearance	Dark blue
Main components	Conductive polymer Additive
Main solvent	Water
pH	2~3
Viscosity	50~500 mPa · s
Solid content	1.7 wt%
Shelf life (1~25°C)	> 6 months

Recommendations for coating

Item	Additives
Dilute solution	Water, Methanol, Ethanol, IPA
Binder resin	Acrylic, Urethane, Olefin, Ester-based emulsion type, Water-soluble epoxy, Silicate
Leveling agent	Siloxane, Polyether Fluorine compound,
pH	2 ~ 10

Coating film properties

Conductivity



	Mixing ratio(wt%)			Usage (cc/m ²)	Sheet resistance (Ω/sq.)	Total transmittance (%)
	F-121CD	Binder resin	Dilution solvent			
ex.1	50	3	47	8	2×10 ³	97
ex.2	8	6	86	4	2×10 ⁵	>99
ex.3	4	3	93	4	2×10 ⁸	>99

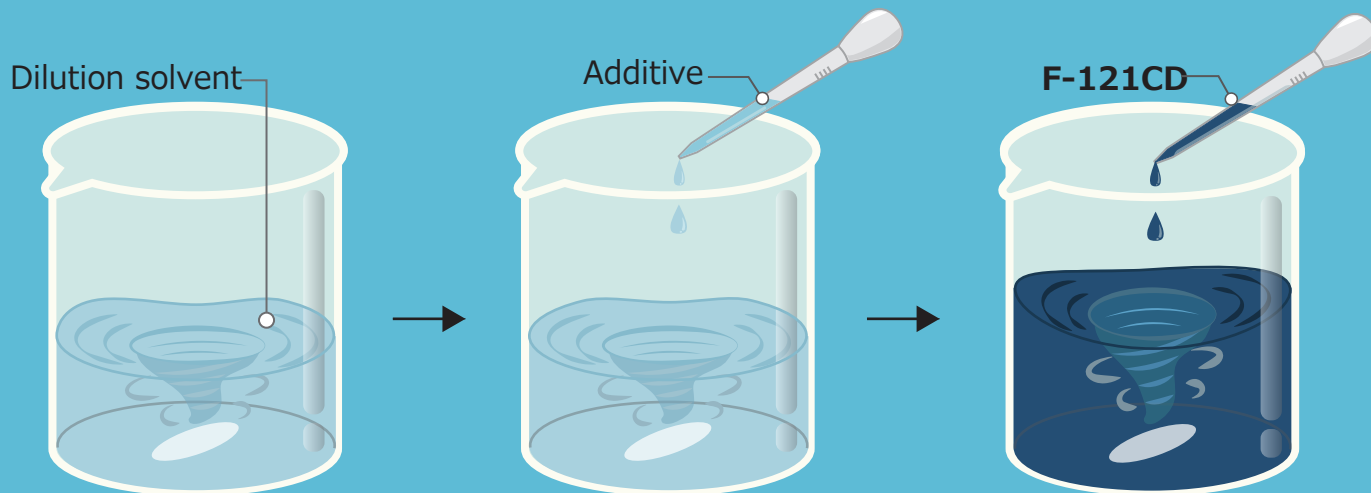
Binder resin : Acrylic resin emulsion (solid content 20wt%)
Dilution solvent : Water 50wt%+IPA 50wt%

■ Test condition
UV-resistance test : UV irradiation 1000hr
Humidity resistance test : 85°C 85%RH 1000hr
Scratch resistance test : Rubbing with a cotton, Water, Solvent

Please accept the direction from 'Safety Data Sheet' when you use. Here published properties and dates are not assured but only represented. We apologize the published stuffs might be changed without any notice.

Transparent antistatic coating solution DENATRON F-121CD

The direction how to ready ink



1 Ready for dilution solvent.

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

2 Add the additive with mixing.

3 Add F-121CD slowly with mixing.

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, dip coaters.

Recommended substrates are plastic film (PET, PMMA, TAC, PC, etc.) and glass.

2 Dry for 1 minutes to 2 minutes using a oven at 80°C to 130°C.

Please accept the direction from 'Safety Data Sheet' when you use. Here published properties and dates are not assured but only represented.
We apologize the published stuffs might be changed without any notice.