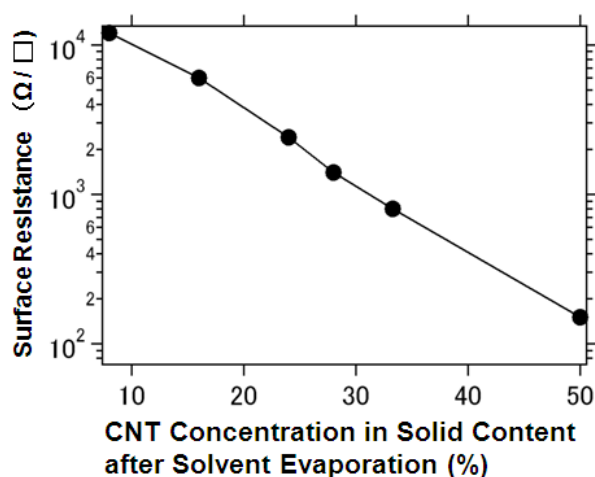


Carbon Nanotube Dispersion

FUJI ASL CNT Series and FUJI SP CNT Series are the conductive CNT (Carbon Nanotube) dispersion Ink. Multiwall or Single Wall Carbon Nanotube is dispersed in either Organic Solvent or water. Conductive subject can possess stable high conductivity by adding low concentration of our CNT dispersion ink products.

Multi Wall Carbon Nanotube Dispersion

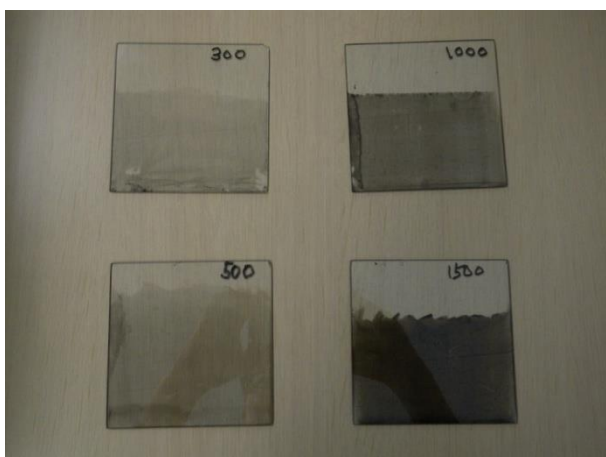
Product Name	FUJI ASL CNT series	FUJI SP CNT series
Solid Content (%)	6 - 8	6 - 11
CNT Concentration (%)	3 - 5	5 - 10
Average Particle Size (μm)	0.2 - 0.3	0.2 - 0.3
Viscosity (mPa·s)	50 - 2500 or more	10 - 2500 or more
Solvent	Terpineol, NMP, MEK, IPA, Alcohol, Toluene, BCA etc...	Water



Coated Thin Film with Heat Treatment of 130 °C, 20 min.
(Solvent: NMP(N-Methyl Pyrrolidone), Resin: Epoxy)

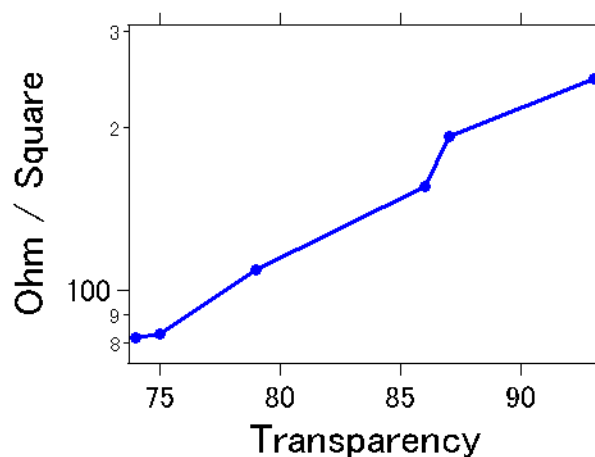
Single Wall Carbon Nanotube Dispersion

Product Name	FUJI ASL CNT series	FUJI SP CNT series
Solid Content (%)	0.1 – 2.0	0.1 – 2.0
CNT Concentration (%)	0.05 – 0.2	0.05 – 0.2
Average Particle Size (µm)	0.1 - 0.3	0.1 - 0.3
Viscosity (mPa·s)	50 – 30000 or more	10 – 30000 or more
Solvent	Terpineol, NMP, MEK, IPA, Alcohol, Toluene, BCA etc...	Water



GLASS

PET



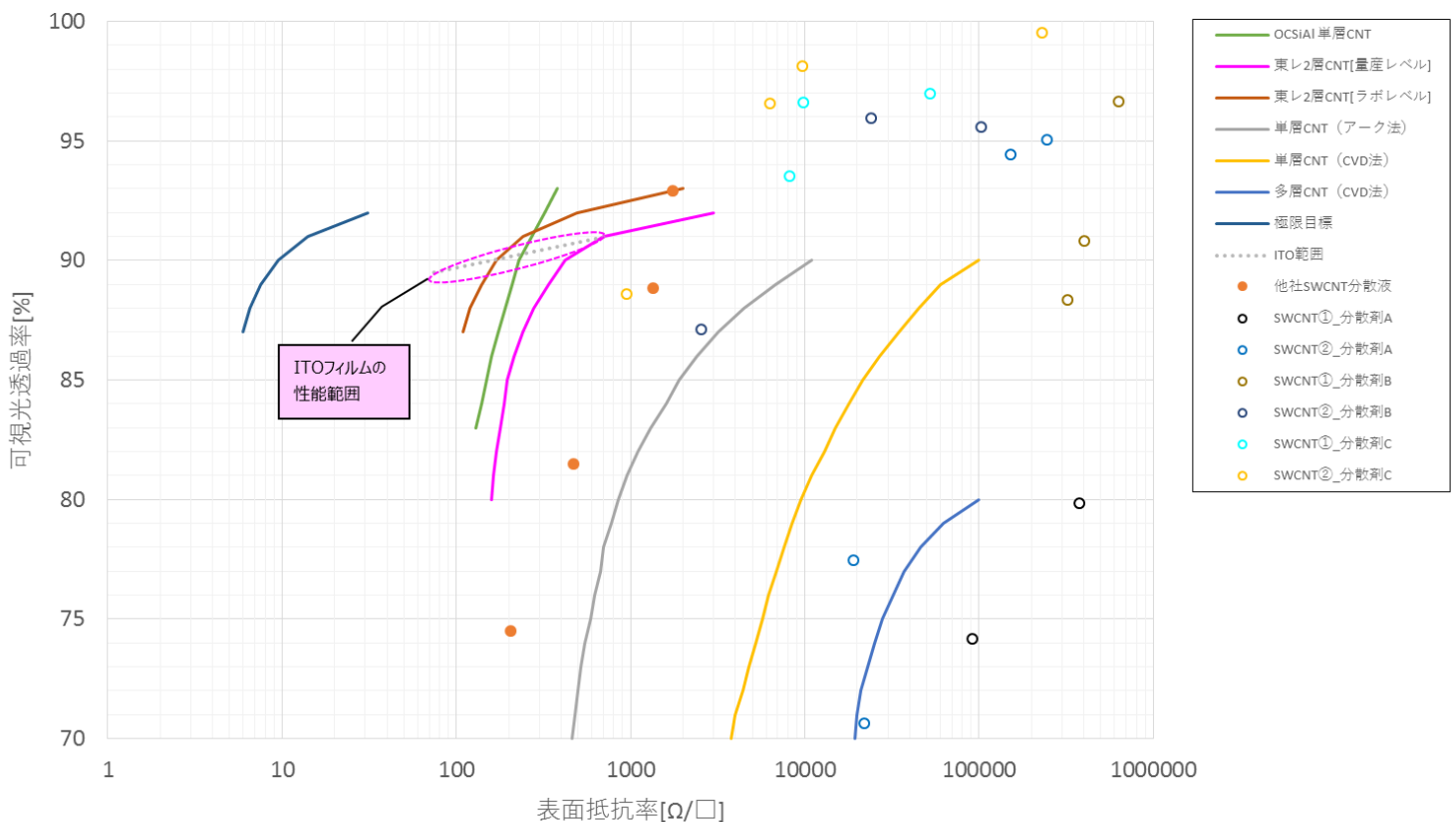
Transparency	Ohm / Square
74	82
75	83
79	109
86	155
87	192
93	245

Resistance of PET FILM coated with our Single Wall Carbon Nanotube Dispersion Ink.

Transparency of PET film is 87.8 %.

Above number indicates 87.8 % as 100 %.

各社CNT膜 可視光透過率 vs. 表面抵抗率



GS *TECHNICAL INFORMATION*

Above is the recent data of our single wall carbon nanotube ink dispersion. Conductivity of printed sample of water based single wall carbon nanotube ink dispersion.

We can alter or modify organic solvent as your request. We can also modify the resin, additive to be suitable for your coated subject. Furthermore, conductive property or other property (strength, transparency etc...) can be modified by mixing with other chemical additives... with our nano particle dispersion technology. In addition, We also have CNT master batch too.

Please contact us for detail technical discussion anytime.

Thank you.

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