

JISTAT CPC

Conductive Coating Agent for Plastic Sheet and Film

◎ FEATURES

- Excellent conductive and dissipative activity (Surface resistance: $10^{4\sim7} \Omega/\text{sq}$)
- Durable and non-migratory
- Excellent compatibility (ex. IPA, Ethanol, Distilled water)
- Excellent adhesion on plastic surface
- Effectiveness independent of Humidity and temperature.
- Good photo stability and good thermal stability
- Coating has excellent transparency when dried
- This material is applied via spray
- Non-carbon black, non-surfactant, non-heavy metals

◎ PHYSICAL PROPERTIES

Properties	JISTAT CPC	Unit
Appearance	Dark blue solution	
Solvent	Ethanol/IPA/water	
Solid content	1.5 ± 0.2	%
pH	8.5 ± 1	
Viscosity	7 ± 3	cps
Surface Resistance	$10^{4\sim6}$	ohms per square
Transmittance	90 ± 5	%
Thermal stability	< 250	°C

▶ Surface Resistance (bar coating)

Bar no.	wet thickness[μm]	Surface Resistance* [k Ω /__]
3	6.86	2000 ~3000
7	16	60 ~ 80
10	22.9	40 ~ 50
16	36.6	20 ~ 40

* measured after drying at 80°C for 2 minutes

◎ APPLICATIONS

- Antistatic coating on plastic film and sheets (inline coating)
- Thermoforming packaging sheet coating (electronic component)

* Gravure coating

[Working condition]

Solution	JISTAT CPC	IPA
Mixing ratio (wt.)	2	1

- Dry condition: 80 ~ 90 °C , 1 min
- Resulting surface resistance : $10^{4-6} \Omega/\square$

* Spray coating

[Working condition]

solution	JISTAT CPC	IPA
Mixing ratio (wt.)	1	1

- Dry condition: 80 ~ 90 °C , 1 min
- Spray the solution : 20~25g/1 m²
- Resulting surface resistance : $10^{5-7} \Omega/\square$

◎ HANDLING & STORAGE

- Do not use near fire or flame.
- Avoid exposure to direct sunlight and store at room temperature in a dark place.
- Make airtight after usage, because it contains Solvent.
- The surface resistance is calculated differently according to coating thickness.
- Before usage, please stir.
- Use before expiry date. JISTAT CPC is stable for a minimum of 3 months when stored at 20 °C in sealed, original containers.

◎ PACKING

20/180 kg Plastic Drum