

## **JISTAT 900** **(Antistatic Agent for Acrylic Pressure Sensitive Adhesive)**

Acryl pressure sensitive adhesive is applied on the fabric such as nylon, non-woven fabric, polyester textile which are later used to assemble items in industry. One main use is in the footwear industry, use this product for footwear parts or footwear assemble pieces once the adhesive has been applied to either one side or both sides of items such as PU foam, EVA foam, nylon, cotton. In the case of temporary protective masking this product meets the basic requirement for antistatic function in the pressure sensitive adhesive tape for the electronics and semi-conduct industry. This also meets the required antistatic function in CPP protective film pressure sensitive adhesive use for general industry.

JISTAT 900 is an antistatic agent and used by adding it into the solvent base acryl pressure sensitive adhesive, it's main ingredient is polar solvent (for example: ethyl acetate, ethyl acetate/toluene mixed solvent) added while in manufacturing process of the antistatic pressure sensitive adhesive tape.

### ◎ FEATURES

- 1) Does not become a gel when adding the antistatic agent into the pressure sensitive adhesive of solvent base
- 2) Excellent dispersing due to the compatibility with the pressure sensitive adhesive made with polar solvent
- 3) Does not affect the physical property such as declining the adherent strength of pressure sensitive adhesive tape
- 4) When the pressure sensitive adhesive tape is removed it does not leave any adhesive residue on the substrate surface by migration
- 5) Superior antistatic effect
- 6) The antistatic agent does not change color in the drying process once it is applied due to its superior heat resistance
- 7) No effect to the pressure sensitive adhesive color by adding the antistatic agent

## ◎ APPLICATION

### Acrylic Pressure Sensitive Adhesive (SOLVETN BASE)

#### ☞ Application Example

Antistatic Agent	Resin	Use Quantity	Surface Resistance( $\Omega$ /sq)
JISTAT 900	Acrylic Pressure Sensitive Adhesive	1 %	$10^{11} \sim 10^{12}$
		3 %	$10^9 \sim 10^{10}$
		5 %	$10^8 \sim 10^9$

- Humidity : 45%, Temp :  $20 \pm 2^\circ\text{C}$
- Relative Humidity: BACHARACH(PITTSBURGH, PA 15238)
- Surface Resistance: JAPAN MEGARESTA, MODEL HT-301,  $10^3 \sim 10^{12}\Omega$

## ◎ PHYSICAL PROPERTIES

INSPECTION	SPECIFICATION
Composition	Conductive polymer and Polyol
Appearance	Colorless transparent liquid / $25^\circ\text{C}$
pH(1% sol'n)	$7.0 \pm 1.0$
Water Content	Below 0.5%

## ◎ HANDLING & STORAGE

- The self life of this agent is minimum one year in normal indoor.
- Do not use near fire or flame.
- Store in well-ventilated place.

## ◎ PACKING

25 kg Plastic Drum / 200 kg Plastic Drum