



JISTAT 1000

Antistatic agent for Rubber

Generally when rubber makes contact with metal, the rubber has a high conductivity rate thus creating static discharge due to electron movements resulting in electrical discharge to other materials caused by the friction. Rubber itself is very difficult to use as a non conductive static agent. With this in mind we have created JISTAT 1000, an antistatic agent for rubber. JISTAT 1000 is an antistatic agent for outsoles, semi-conductive, mat and flooring materials which which contain NBR/CR in the plasticizer (softening qualities) giving an antistatic quality to the rubber.





◎ FEATURES

- Excellent antistatic and dissipative activity $(10^7 \sim 10^9 \Omega/sq)$
- Excellent durability and compatibility
- Excellent light stability and heat resistance
- Easily diluted to recreate any color spectrum or remain as a transparent liquid.
- JISTAT 1000 does not affect the physical characteristics of rubber with its variation of adhesive and hardness.

OAPPLICATION

- Rubber(NBR, CR etc.,)

ex) Printer Roller(pick up roller, transper roller, supply roller, ADF roller, feed roller), Outsole, Midsole, Sheet, Coating agent.





Application Example

Antistatic Agent	Resin	Use Quantity	Surface Resistance(Ω/sq)
JISTAT 1000	NBR Sheet	2 ~ 3 % 3 ~ 4 %	$10^8 \sim 10^9$ $10^7 \sim 10^8$
		5~6%	$10^{\circ} \sim 10$ $10^{6} \sim 10^{7}$

- Humidity : 45%, Temp : $20 \pm 1^{\circ}$

- Relative Humidity: BACHARACH (PITTSBURGH, PA 15238)

- Surface Resistance: JAPAN SHISHIDO MEGASTAT HT-301

◎ PHYSICAL PROPERTIES

Composition : Conductive polymer and Nonionic surfactants Appearance : Colorless transparent liquid / 25° C Solubility : Soluble in Organic Solvents and water Specific gravity : $1.45 \pm 0.05(g/cm^3)$

O 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.

O PACKING

NET 25/200/250Kg in Plastic Drum





IN JISTAT 1000 Application Guide (Rubber Sheet)

Materials		#1	#2	#3	
NBR/CR		25/75			
ZnO		5			
Stearic acid		1			
Irganox 1076		2.5			
White carbon		35			
DEG		2			
Pigment		2.5			
TT		0.07			
DM		1.0			
Sulfur		1.5			
JISTAT 1000		2	4	6	
Tensile strength	kg/cm ²	175	174	175	
Tear strength	kg/cm	46	42	41	
Elongation	%	908	913	911	
Hardness	A type	70	71	69	
Electronic resistance	Ω/sq	9×10 ⁸	1×10 ⁸	7×10 ⁷	