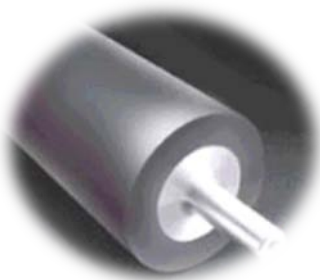


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JISTAT 2000NT

ANTISTATIC AGENT FOR Polyurethane(PU)

Polyurethane is a highly polymerized agent which is produced from reaction between an isocyanate and polyol. Isocyanate has a linkage of $-N=C=O$ and polyol has a linkage of $-OH$. The benefits of Polyurethane lies in its broad applications resulting in final products such as furniture, refrigerators, carpets, wheels, automobile seats, chair, varnishes, computer mouse pads, glue, houses, sculptures, decorations, watercraft, construction sealants and so on. Also polyurethane is used in shoes manufacturing such as in midsole, outsole, coating for leather or synthetic leather, air bags, and countless durable consumer goods.



JISTAT 2000NT is a non foaming antistatic agent and is easy to mix. JISTAT 2000NT is our most effective antistatic agent for polyurethane. JISTAT 2000NT is usable in Midsoles, Outsoles, cushions mats, print rollers.

◎ FEATURES


- Excellent antistatic and dissipative activity (Surface Resistance : $10^7 \sim 10^8 \Omega$)
- Excellent compatibility
- Excellent Good resistance of yellowish by heat
- Available to make the various hues as colorless transparent liquid.
- Good mixed with urethane systems, and especially in case of two components urethane system, provides excellent durability by direct reaction.

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◎ APPLICATION

- Polyurethane Midsole, Outsole, cushions met, print roller for protecting articulation during long working hours.
- NBR Roller, Outsole and sheet
- Epoxy

👉 Application Example

Antistatic Agent	Resin	Use Quantity	Surface Resistance(Ω /sq)
JISTAT 2000NT	 <p>PU Foam</p>	3 %	10^9
		5 %	10^8
		7%	10^7

- Humidity : 45%, Temp : $20 \pm 2^\circ\text{C}$

- 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°C
pH(1% sol'n)	7.0 ~ 8.0
Water Content	Below 0.5%

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◎ HANDLING & STORAGE

- The self life of this agent is minimum one year in normal indoor.
- Do not use near fire or flame.
- Avoid exposure to direct sunlight and store at room temperature in a dark place.
- Store in well-ventilated place.
- **In case of two components urethane system, addition to polyol mixture should be needed, because of the possibility of gelation by reaction with isocyanate functional group.**

◎ PACKING

NET 25/200/250Kg in Plastic Drum

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