

# STC60

Polyester



# ANTISTATIC SPIN TAPE

- ◎ **Excellent wash resistance and bending resistance**
- ◎ **Physical stress and antistatic properties after washing are extremely stable**

[JIS L 1094 Performance Evaluation] Test environment : 20±2°C、40±2%RH

Specimen	Chargeability test Half-life measurement method (seconds) (Saturated charging potential [kV]) JIS L 1094 7.1	frictional electrification voltage measurement method (V)	frictional electrification voltage measurement method (V)
		JIS L 1094 7.2 COTTON	JIS L 1094 7.2 WOOL
Nylon knitted fabric: JIS T 8118 Nylon friction cloth	80 or more (1.35)	Length direction 2700	Length direction 2600
		Width direction 2800	Width direction 2700
Nylon knitted fabric + TAPE(STC60)	80 or more (0.41)	Length direction 2100	Length direction 2000
		Width direction 2200	Width direction 2300

STOCK ITEM

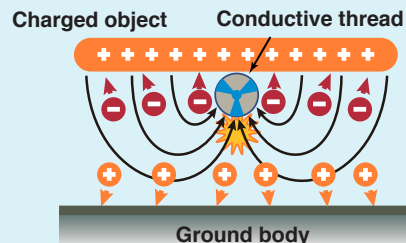
Size 6mm

Col. #01

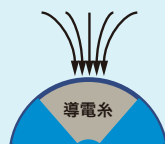
Roll 150m

## What is antistatic effect?

The antistatic effect on the conductive thread is made from neutralization of electric charge by corona discharge, movement and diffusion. When two different substances cause friction or peel off, positive electricity or negative electricity is generated on one side. Under these circumstances, the surrounding air is electrolyzed to generate positive or negative ions. The movements are made to charged bodies of opposite polarities and neutralizes the charge which the process is called corona discharge.



① Power lines from charged objects are concentrated toward the conductive part



② A strong electric field is formed near the conductive part.



③ The air exposed to the strong electric field is ionized, and + · - ions are generated.



④ Ions opposite to the charged object are attracted to the charged object and neutralize static electricity.



⑤ Ions remaining near the conductive part move to the grounding body and are statically eliminated.

# SHINDO