

e-decay * Permanent Antistatic Fabric

Static can have a negative impact on the health of the human body. The use of antistatic fabric can prevent the generation of static contributing to a healthier, more comfortable and safer life.

Description of Formosa's Permanent Antistatic Fabric Product

Using a hydrophilic surface high performance anti-static fiber, without adding antistatic chemicals during the dyeing process, our antistatic fabric can achieve an excellent antistatic effect. In addition, the Special Cross-Section Design and the use of hydrophilic surface active medium results in a permanent antistatic property. Because our process uses white yarn rather than the traditional carbon, fabric color and design are not limited as are other anti-static fabrics and thereby can be used in various styling clothing and precision industry garments.

Permanent Antistatic Fabric Effect Evaluation 1 :

- a. Friction- charged electrostatic potential below 1000V
- b. Permanent antistatic effect: Function remains even after wash

※Civil Material Quality STD::**1000V**↓

Fabric Type	Normal Water-repellent Fabric	Permanent Antistatic Fabric
JIS L 1094-B Friction- charged electrostatic potential (V) Rotary Static	3000V ↑	1000V ↓

Permanent Antistatic Fabric Effect Evaluation 2:

Comparison of static produced by friction between permanent water-repellent fabric and general water-repellent fabric

Testing Procedures:

- (1) Cut the permanent water-repellent antistatic fabric and general water-repellent fabric into 5cm x 8 cm
- (2) Use high-voltage discharge rod Model BD-10AS (115V/50Hz/0.35A). Rub the rod against each fabric (as shown on the Figure on the right) ◦



- (3) Use the projector film to cover the surface and place the projector film at an angle of 45 degree, the general water-repellent fabric will cling to the film while the permanent antistatic fabric will not cling, indicating a strong antistatic effect.

