



抑克電^{*} e-decay^{*} 永久性抗靜電布料

靜電常造成日常生活與人體負面影響，抗靜電布料可防止穿著靜電產生，提供穿著者健康、舒適、安全的感受。

福懋永久抗靜電布料產品說明

使用抗靜電纖維，於染整過程中不需再添加抗靜電劑，即具有優異的抗靜電效果，且藉由特殊斷面設計及親水性界面活性介質之分布設計達到永久抗靜電性。因係白絲，成品布顏色及組織設計用途不受限，適用於各種流行成衣及精密工業服飾。

永久抗靜電布料效能評價之一：

- a. 摩擦帶電壓 **1000V** 以下
- b. 具永久性抗靜電效果；不會因水洗後降低功能。

※民生用料品質STD: **1000V**↓

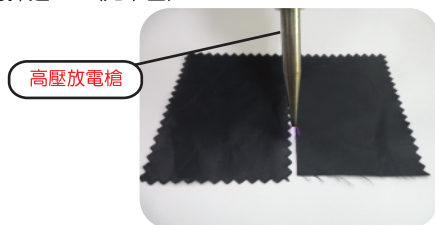
布種	一般撥水加工布料	永久性抗靜電撥水布料
JIS L1094-B 摩擦帶電壓(V) Rotary Static	3000V ↑	1000V ↓

永久性抗靜電性能評價之二

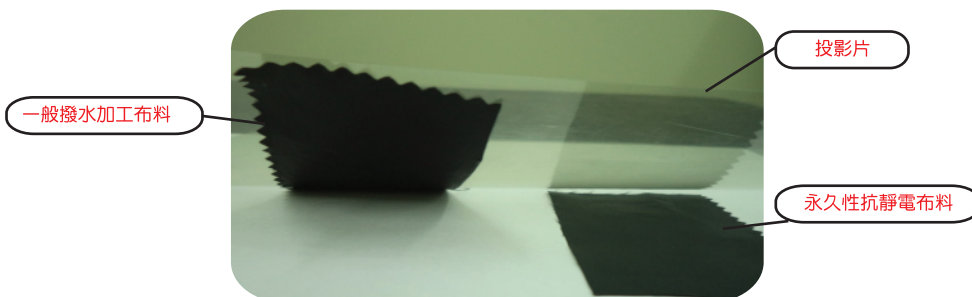
永久性撥水抗靜電布料及一般撥水加工布料在磨擦後所產生靜電之比較

檢測試驗步驟：

- (1) 將永久型撥水抗靜電布料及一般撥水加工布料分別裁成5公分*8公分大小。
- (2) 以高壓放電槍Model BD-10AS (115V /50Hz/ 0.35A)，分別在布面上均勻掃過5sec(如下圖)。



- (3) 然後以投影片覆蓋在處理過布面上，再將投影片一端舉起45度，一般撥水加工布樣會被吸起，**永久型撥水抗靜電布料不會被吸起**，顯示抗靜電效果強。



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**↓

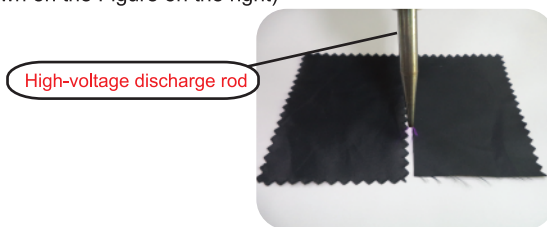
Fabric Type	Normal Water-repellent Fabric	Permanent Antistatic Fabric
JIS L 1094-B Friction- charged electrostatic potential (V) Rotary Static	3000V ↑	1000V ↓

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.

