



**Smartet Technology Development Co.,Ltd**

**SuHua Medical Material Manufacture Co.,Ltd**

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## **PERFWIPE ESD PC Polyester Cleanroom wiper Specification**

### **Product Description:**

Perfwipe ESD PC polyester cleanroom wiper are made with 100% continuous-filament 85 denier standard medium-weight polyester with conductive fiber designed to dissipate electrical charge. A double knit interlock, no-run circular pattern.

Contains conductive carbon fiber designed to dissipate electrical charge.

Laser Sealed Border for maximum fiber & particle retention.

These wiper are packed in a static shield bag.

Laundered and package in a controlled environment .

Lot control quality tested.

### **Composition & Attributes:**

100% continuous-filament 85 denier standard medium-weight polyester with conductive fiber  
Contains conductive carbon fiber designed to dissipate electrical charge.

Laser Border Sealed Edges for maximum fiber & particle retention

Solvent safe double bag cleanroom packaging

Resists abrasion when used with rough surfaces

Works well with IPA and other cleaning solvents

### **Applications:**

Ideal for wiping critical surfaces to achieve ultra cleanliness

Excellent choice for wiping process tool internals and chambers

Works well for particle removal & resistance with solvents

Soft texture for scratch sensitive surfaces but very durable

Autoclavable for Aseptic environments

Compatible with ISO Class 4-5 (Class 10-100) environments

### **Physical Properties:**

**Basis Weight:** 115g/m<sup>2</sup>

**Material:**

- Polyester & Carbon Fiber
- Continuous Filament, Double Knit

**Absorbency:**

- Sorptive Capacity: 360 mL/m<sup>2</sup>
- Sorptive Rate: < 1.3 seconds

**Test Method:** IEST-RP-CC004.3 Section 8.1



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### Purity Specifications:

#### Particles & Fibers:

##### - Particles:

- (>0.5micron) = 3.0 x 10(6) particles/m2
- (> 5 micron) = 0.2x10(6)particles/m2

##### - Fibers:

- (>100 micron)=200/m2

Test Method:Orbital Shake Test:- IEST-RP-CC004.3-6.1.4

#### Nonvolatile Residue:

- IPA Extractant: 1.5 ug/cm2
- DIW Extractant: 0.90ug/cm2

Test Method:Short Term Extraction:- IEST-RP-CC004.3-7.1.2

#### Extractable Ions:

- Sodium (Na+): 0.20ug/g
- Potassium (K+): 0.09ug/g
- Chloride (Cl+): 0.07ug/g

Test Method:Standard Extractable Method:- IEST-RP-CC004.3-7.2.2.1B

#### ESD Specifications

Surface Resistivity  
Decay Time

#### Upper Limits

10x10(6~9)ohms  
1.3seconds

#### Test Method

EOS/ESD S11.11  
FTM STD 101-Method 4046

### Order Informations:

Code	Size	Packaging
SSESDW-PC-LE-115D-44	4"x4"	600pcs/bag 10bag/case
SSESDW-PC-LE-115D-66	6"x6"	150pcs/bag 20bag/case
SSESDW-PC-LE-115D-99	9"x9"	150pcs/bag 10bag/case
SSESDW-PC-LE-115D-1212	12"x12"	100pcs/bag 10bag/case

Note: The data in this table represent typical analyses of these wipers at the time of publication.  
These are not specifications.

Smartet continually refines both its processes and its products.

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