



## **PERFWIPE SS1009D Series Cleanroom wiper Specification**

### **Product Description:**

PERFWIPE polyester knit cleanroom wiper are made with a high strength continuous filament polyester yarn in a double knit, no run, and interlock pattern. Knitting, pre-washing, Lases cutting, washing and packaging are all done in house for optimum control & cleanliness. The cleanroom wiper is ultra clean and highly sorbent making it ideal for wiping critical surfaces. Cleanroom class 100 Laundered & Packaged.

### **Composition&Attributes:**

100% High Strength Polyester fiber (continuous filament, double knit)  
Ultra Low particle and fiber generation  
Laser Border Sealed Edges for maximum fiber & particle retention  
Free of Silicon, Amides, and DOP contamination  
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

### **Purity Specifications:**

#### **Particles & Fibers:**

- Particles:
  - (>0.5micron) =  $4.0 \times 10(6)$  particles/m<sup>2</sup>
  - (> 5 micron) = 300,000 particles/m
- Fibers:
  - (>100 micron) = <180

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

#### **Nonvolatile Residue:**

- IPA Extractant: 0.015 ppm
- DIW Extractant: 0.009 ppm

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



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### Ions:

- Sodium (Na+): 0.02 ppm
- Potassium (K+): 0.01 ppm
- Chloride (Cl+): 0.02 ppm
- Calcium (Ca+): 0.02 ppm

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

### Physical Properties:

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

#### Material:

- 100% Pure Polyester Fiber
- Continuous Filament, Double Knit

#### Absorbency:

- Sorptive Capacity: 360 mL/m<sup>2</sup>
- Sorptive Rate: < 1 seconds

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

### Order Informations:

Code	Size	Packaging
SS1004D-LE-115D-44	4"x4"	600pcs/bag 10bag/case
SS1006D-LE-115D-66	6"x6"	150pcs/bag 20bag/case
SS1009D-LE-115D-99	9"x9"	150pcs/bag 10bag/case
SS1012D-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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