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## **TDS of PERFWIPE SS1009D Series Polyester Cleanroom wipers**

### **Product Description**

PERFWIPE polyester knit cleanroom wipers are made with a high strength continuous filaments polyester yarn in a double knit, no run, and interlock pattern.

Knitting, pre-washing, Laser 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. All cleanroom wipers utilize Statistical Process Control in manufacturing and are lot traceable from raw to finished product. 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 clean room 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 5 (Class 100) environments

### **Purity Specifications**

Particles & Fibers:

- Particles:

- (>0.5micron) =  $3 \times 10^6$  particles/m<sup>2</sup>

- (> 5 micron) = 200,000 particles/m<sup>2</sup>

- Fibers:

- (>100 micron) = <300

Nonvolatile Residue:

- IPA Extractant: 0.015 ppm

- DIW Extractant: 0.009 ppm



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**Ions**

- Sodium (Na<sup>+</sup>): 0.02 ppm
- Potassium (K<sup>+</sup>): 0.01 ppm
- Chloride (Cl<sup>-</sup>): 0.02 ppm
- Calcium (Ca<sup>2+</sup>): 0.02 ppm

**Physical Properties**

Basis Weight: 145g/m<sup>2</sup>

Material:

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

Absorbency:

- Sorptive Capacity: 480 mL/m<sup>2</sup>
- Sorptive Rate: < 1 seconds

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

**Test Method**

Orbital Shake Test:

- IEST-RP-CC004.3-6.1.4

Short Term Extraction:

- IEST-RP-CC004.3-7.1.2

Standard Extractable Method:

- IEST-RP-CC004.3-7.2.2.1B

**Ordering Information**

Code	Dimension	Wiper/Bag	Bag/Carton
SS1004D-145LE-44	4"x4"	600	10
SS1006D-145LE-66	6"x6"	150	20
SS1009D-145LE-99	9"x9"	150	10
SS1012D-145LE-1212	12"x12"	150	10

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.