Smartet Technology Development Co.,Ltd

SuHua Medical Material Manufacture Co.,Ltd

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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. All cleanroom wiper 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 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 3-5 (Class 10-1000) environments

Purity Specifications:

Particles & Fibers:
- **Particles:**
  - **(>0.5micron) = 3 x 10(6) particles/m2**
  - **(> 5 micron) = 200,000 particles/m2**
- **Fibers:**
  - **(>100 micron) = <300**

Nonvolatile Residue:
- **IPA Extractant: 0.015 ppm**
- **DIW Extractant: 0.009 ppm**

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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**

Physical Properties:

Basis Weight: 145g/m2

Material:

- **100% Pure Polyester Fiber**
- **Continous Filament, Double Knit**

Absorbency:

- **Sorptive Capacity: 480 mL/m2**
- **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**

Order Informations:

Code	Size	Packaging
SS1004D-LE-145-44	4"x4"	600pcs/bag 10bag/case
SS1006D-LE-145-66	6"x6"	150pcs/bag 20bag/case
SS1009D-LE-145-99	9"x9"	150pcs/bag 10bag/case
SS1012D-LE-145-1212	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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