Smartet Technology Development Co., Ltd
Su Hua Medical Material Manufacture Co., Ltd
Add: No.1 First Business Industrial Park Min Kang Rd 2 Shi Qi District Zhong Shan City Guang Dong China
Tel: 0086-760-88873088 Fax: 0086-760-88873008

SS5M5000 Series Microfiber Cleanroom Wiper

Description

Smartet microfiber cleanroom wiper are designed & constructed with yarn as fine as 0.1 decitex, knitted extremely tight to ensure wipe durability. The structure of the yarn (30% Nylon / 70% Polyester) provides hydrophilic properties of nylon, lipophilic polyester properties, and the capillary effect of the dense construction provides a high level of water absorbency & superior wiping efficiency. We use a high temperature, high pressure process to split the yarn & release the 8 wedges of polyester yarn & shrink the cloth up to 40% to increase density. This process provides an extremely soft fabric that will leave no scratches on wiped objects. The wedge like yarn structure effectively traps micro-contamination (particles & bacteria) without re-contaminating the surface. All wipes utilize Statistical Process Control in manufacturing & are lot traceable from raw material to finished product. Cleanroom Laundered & Packaged.

Composition & Attributes:

- Tightly knit & pre-shrunk 70% Hi Strength Polyester & 30% Nylon fiber
- Ultra Low particle and fiber generation
- Laser Sealed Border for maximum fiber & particle retention
- Proprietary Lint Removal Technology for true lint free surface
- 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

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Applications:

- Ideal for removing water & oil based contamination
- Works well for particle removal & resistance with solvents
- Soft texture will not scratch sensitive surfaces yet is very durable
- Recommended for Optical, LCD, & Hard Disk Drive cleaning
- Compatible with ISO Class 3.5 (Class 100) environments

Physical Properties:

- Basis Weight: 185 g/m2
- Material:
  - 30% Nylon / 70% Polyester
  - 0.1 decitex; 16 wedge
- Absorbency:
  - Sorptive Capacity: >420 ml/m2
  - Sorptive Rate: < 2 seconds
- Test Method: IEST 4.3 Section 8.1

Purity Specifications:

- Particles & Fibers
  - Particles: (>0.5micron) 8 x 10(6) particles/m2
  - Particles: (>5micron) <1 x 10(6) particles/m2
  - Fibers: (>100 micron) <400
- Nonvolatile Residue:
  - IPA Extractant 0.08 ppm
  - DIW Extractant 0.08 ppm

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- Ions
  - Sodium (Na+) 0.20 ppm
  - Potassium (K+) 0.10 ppm
  - Chloride (Cl+) 0.20 ppm
  - Calcium (Ca+) 0.30 ppm

Test Method:

- Orbital Shake Test
  - IEST 4.3-6.1.4
  - IEST 4.3-6.2.2
- Short Term Extraction
  - IEST 4.3-7.1.2
- Standard Extractable Method
  - IEST 4.3-7.2.2.1B

Size & Packaging:

- SS5M5004 - 4" X 4" - 400 Pcs/Bag 10 Bag/Case
- SS5M5006 - 6" x 6" - 100 Pcs/Bag 20 Bag/Case
- SS5M5009 - 9" x 9" - 100 Pcs/Bag 10 Bag/Case
- SS5M5012 - 12" x 12" – 100 Pcs/Bag 10 Bag/Case