



Micro Clean Polyester Wipes

100% Continuous Filament Polyester • 140 gsm • Laser-Sealed • ISO Class 3–5

AVAILABLE AS:

STANDARD

STERILE

DESCRIPTION

Micro Clean Polyester Wipes are manufactured from 100% continuous filament, double-knit polyester, chemically engineered to deliver maximum performance in critical cleanroom environments. Laser-sealed edges ensure ultra-low submicron particle and fibre counts across the full wipe surface. Each wipe delivers a fast sorption rate and superior sorbency capacity, and is laundered and packaged in a cleanroom environment to guarantee minimal contamination risk. Available as standard or sterile versions to meet a wide range of application and regulatory requirements.

KEY FEATURES

- Laser-sealed edges — ultra-low lint and particle level
- Superior sorption for critical applications
- Ultra-low in particles and extractables
- Solvent safe — compatible with IPA and DI water
- Double-bagged and vacuum cleanroom-packed
- Multiple sizes; sterile version available
- No silicone oil, amide or DOP detected

APPLICATIONS

- Semiconductor wafer and component handling
- Optical and precision lens cleaning
- Medical device and pharmaceutical manufacturing
- Aerospace component cleaning and inspection
- PCB and electronics assembly environments
- Applications requiring high sorbency
- ISO Class 3–5 (Class 1–100) cleanrooms

TECHNICAL DATA

Parameter	Test Method	Specification
PHYSICAL PROPERTIES		
Basis Weight	—	140 ± 5 gsm
Thickness	—	0.48 – 0.56 mm
Absorbency Capacity	IEST-RP-CC004.3, Sec 8.1	≥ 350 ml/m ²
Absorbency Rate	IEST-RP-CC004.3, Sec 8.2	≤ 1.0 sec
PARTICLE & CLEANLINESS		
Particles by APC ≥ 0.5 µm (Helmke drum @ 10 rpm)	IEST-RP-CC003.4	≤ 20 counts/min/pc (9" × 9")
Particles by LPC ≥ 0.5 µm	IEST-RP-CC004.3, Sec 6.1.4	≤ 3.5 × 10 ³ counts/m ²
Fibres & Particles > 100 µm	IEST-RP-CC004.3, Sec 6.1.4, 6.2.2.1, 6.2.2.2	≤ 59.3 counts/m ²
EXTRACTABLES & CONTAMINATION		
Non-volatile Residue (NVR) — DI Water	IEST-RP-CC004.3, Sec 7.1.2	≤ 0.029 g/m ²
Non-volatile Residue (NVR) — IPA	IEST-RP-CC004.3, Sec 7.1.2	≤ 0.1189 g/m ²
Organics by FTIR		
IONIC CONTAMINATION (IC) — IEST-RP-CC004.3, SEC 7.2.2		
Sodium (Na ⁺)	IC	≤ 1 ppm
Potassium (K ⁺)	IC	≤ 1 ppm
Calcium (Ca ²⁺)	IC	≤ 1 ppm



Micro Clean Polyester Wipes

100% Continuous Filament Polyester • 140 gsm • Laser-Sealed • ISO Class 3–5

AVAILABLE AS:

STANDARD
 STERILE

Parameter	Test Method	Specification
Magnesium (Mg2+)	IC	≤ 1 ppm
Chloride (Cl-)	IC	≤ 1 ppm

ORDERING INFORMATION

Size	Version	Pcs / Bag	Bags / Case
4" x 4"	<input type="radio"/> STANDARD <input checked="" type="radio"/> STERILE	600	10
6" x 6"	<input type="radio"/> STANDARD <input checked="" type="radio"/> STERILE	300	10
9" x 9"	<input type="radio"/> STANDARD <input checked="" type="radio"/> STERILE	150	10
12" x 12"	<input type="radio"/> STANDARD <input checked="" type="radio"/> STERILE	150	10

Other sizes available upon request. Contact Sucatec for custom configurations and volume pricing.

Data shown are typical values derived from manufacturer testing and should not be used as product specifications. Sucatec reserves the right to update product data in line with manufacturer revisions. Always confirm current specifications with our technical team prior to critical application use.