



Polyester Laser Cut Wipers

100% Continuous Filament Polyester • 115 gsm & 140 gsm • Laser-Sealed • ISO Class 3–8

AVAILABLE AS:

STANDARD

STERILE

DESCRIPTION

Polyester Laser Cut Wipers are manufactured from 100% continuous filament, double-knit polyester, available in 115 gsm and 140 gsm grades to suit a wide range of cleanroom wiping requirements. All four edges are laser-cut and sealed to prevent particle and fibre release, and each wipe is laundered and packaged in a cleanroom environment to ensure minimal contamination. The 140 gsm grade delivers heavier-duty performance with tighter certified particle and extractable limits, making it the preferred choice for ISO Class 3–5 critical environments. The 115 gsm grade provides a lighter, versatile option for general surface cleaning across ISO Class 3–8. Both grades are available as standard and sterile versions in four sizes.

KEY FEATURES

- Available in 115 gsm (light) and 140 gsm (heavy) grades
- Laser-sealed edges — ultra-low lint and particle level
- High sorbency capacity with fast absorption rate
- Solvent safe — compatible with IPA and DI water
- Double-bagged and vacuum cleanroom-packed
- Standard and sterile versions available
- No silicone oil, amide or DOP detected
- Four standard sizes: 4", 6", 9" and 12"

APPLICATIONS

- Semiconductor wafer and component cleaning
- Optical and precision lens cleaning
- Medical device and pharmaceutical manufacturing
- Aerospace component cleaning and inspection
- PCB and electronics assembly environments
- General surface cleaning in ISO Class 3–8 cleanrooms
- Applications requiring solvent resistance and low extractables

TECHNICAL DATA

Parameter	Test Method	115 gsm	140 gsm
PHYSICAL PROPERTIES			
Basis Weight	—	115 ± 5 gsm	140 ± 5 gsm
Thickness	—	0.42 – 0.50 mm	0.48 – 0.56 mm
Absorbency Capacity	IEST-RP-CC004.3, Sec 8.1	≥ 290 ml/m ²	≥ 330 ml/m ²
Absorbency Rate	IEST-RP-CC004.3, Sec 8.2	≤ 1.0 sec	≤ 1.0 sec
PARTICLE & CLEANLINESS			
Particles by APC ≥ 0.5 µm (Helmke drum @ 10 rpm)	IEST-RP-CC003.4	50 counts/pc *	≤ 50 counts/min/pc *
Particles by LPC ≥ 0.5 µm	IEST-RP-CC004.3, Sec 6.1.4	7.0 x 10 ⁶ /m ²	≤ 7.0 x 10 ⁶ /m ²
Fibres & Particles > 100 µm	IEST-RP-CC004.3, Sec 6.1.4, 6.2.2.1, 6.2.2.2	593 /m ²	≤ 19.7 /m ²
EXTRACTABLES & CONTAMINATION			
NVR – DI Water	IEST-RP-CC004.3, Sec 7.1.2	0.009 g/m ²	≤ 0.029 g/m ²
NVR – IPA	IEST-RP-CC004.3, Sec 7.1.2	0.007 g/m ²	≤ 0.1189 g/m ²
Organics by FTIR	IEST-RP-CC004.3, Sec 7.2.1	No Si oil, amide, DOP	No Si oil, amide, DOP
IONIC CONTAMINATION (IC) — IEST-RP-CC004.3, SEC 7.2.2			
Sodium (Na+)	IC	1.0097 ppm **	≤ 1 ppm
Potassium (K+)	IC	0.1366 ppm **	≤ 1 ppm



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Parameter	Test Method	115 gsm	140 gsm
Calcium (Ca2+)	IC	1.4219 ppm **	≤ 1 ppm
Magnesium (Mg2+)	IC	0.4091 ppm **	≤ 1 ppm
Chloride (Cl-)	IC	0.3750 ppm **	≤ 1 ppm

* 115 gsm APC count expressed per piece (9" x 9"); 140 gsm expressed per minute per piece per IEST-RP-CC003.4. ** 115 gsm ionic values are typical measured results; 140 gsm ionic values are specification limits.

ORDERING INFORMATION

Weight	Size	Version		Pcs / Bag	Bags / Case
115 gsm	12" x 12"	STANDARD	STERILE	150	10
	9" x 9"	STANDARD	STERILE	150	10
	6" x 6"	STANDARD	STERILE	300	10
	4" x 4"	STANDARD	STERILE	600	10
140 gsm	12" x 12"	STANDARD	STERILE	150	10
	9" x 9"	STANDARD	STERILE	150	10
	6" x 6"	STANDARD	STERILE	300	10
	4" x 4"	STANDARD	STERILE	600	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.