



STATCLEAN TECHNOLOGY (S) PTE. LTD.

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STAT-WIPE ESD Polyester Wipes

DESCRIPTION

ESD polyester wiper is made of 100% continuous polyester filament with conductive yarn designed to dissipate electrical charge and control ESD. It is ideal for wiping exterior areas of products in ESD-sensitive areas as well as cleaning of process tools and other equipment.

FEATURES

- Laser sealed edge ensures ultra low lint and particle level
- Surface Resistivity is $1 \times 10^8 - 1 \times 10^{10}$ ohms/sq
- Good sorbency with solvents



APPLICATIONS

- Suitable for class 100 - 1,000 cleanrooms
- Wiping products in ESD-sensitive areas

SIZE	Pcs/Bag	Bags/Case
12" x 12"	150	10
9" x 9"	150	10
6" x 6"	300	10
4" x 4"	600	10

TECHNICAL DATA

PERFORMANCE CHARACTERISTICS

Basis Weight : 140gm +/- 5
Thickness (micrometer) : 0.43~0.49mm
Surface Resistivity : $1 \times 10^8 - 1 \times 10^{10}$ ohms/sq
Absorbency Rate & Capacity
 (IEST RP-CC 004.3)
Sorptive capacity : 337ml/m²
Rate (Drop Disappearance mtd.) : 0.8sec

CONTAMINATION CHARACTERISTICS

Non-volatile Residue, NVR
 (IEST-RP CC 004.3, short term extraction)
IPA Extractant : 0.080 mg/g
 (100ml IPA at ambient temperature for 24hrs)
DIW Extractant : 0.045 mg/g
 (100ml DI Water at ambient temperature for 24hrs)

FTIR : No Silicon oil, Amide, DOP detected



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Ion Content

(IEST-RP CC 004.3, short term extraction)

Chloride (Cl)	0.00002mg/g
Nitrates (NO ₃)	0.00012mg/g
Nitrite (NO ₂)	0.00012mg/g
Sulphate (SO ₄)	0.00040mg/g
Sodium (Na)	0.000135mg/g
Potassium (K)	0.000510mg/g
Magnesium (Mg)	0.000016mg/g
Calcium (Ca)	0.000026mg/g

Releasable Particle

LPC (0.5um) : 6.5 x 10⁶ particles/m²

(IEST-RP CC 004.3-orbital shake mtd)

APC (Helmke Drum Test @ 10rpm); 0.3um :100 counts/pc/cfm

(IEST-RP-CC 003.2)

NOTE:

*Data shown are typical values and should not be used as specifications.