



Innovative
Contamination
Solutions

TekniClean Sealed Edge ESD Polyester Wiper

Product Description

Tekniclean polyester knit esd wipes are made with a hi strength continuous filament polyester yarn in a double knit, no run interlock pattern. Carbon fiber provides excellent ESD properties for use in static sensitive clean environments. Knitting, pre-washing, cutting, sealing, washing and packaging are all done in house for optimum control & cleanliness. A laser sealed edge is provided on all sides for maximum fiber and particle retention. The wiper is ultra clean, abrasion resistant & highly sorbent making it ideal for wiping critical surfaces. All Tekniclean wipes utilize Statistical Process Control in manufacturing and are lot traceable from raw material to finished product. Class 100 Laundered & Packaged.

Composition & Attributes

- * 100% Hi Strength Polyester fiber (continuous filament, double knit)
- * Ultra Low particle and fiber generation
- * Laser Sealed Edges for 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
- * Works well for environmental & process surface cleaning
- * Soft texture for scratch sensitive surfaces
- * Pure substrate & soft sealed edges minimize fiber release
- * Available pre-wetted with ultra pure IPA / DIW for best performance
- * Autoclavable for Aseptic environments
- * Compatible with ISO Class 3-5 (Class 10-100) environments

Physical Properties

- * Basis Weight 140g/m²; Standard Weight
- * Material 100% Pure Polyester Continuous Filament, Double Knit, No Run
- * Absorbency Extrinsic Capacity: >380ml/m²
Intrinsic Capacity: >2.6 ml/g
Sorbptive Rate: <1 second
- * Test Method IEST-RP-CC004.3 Section 8.1

Purity Specifications

		<u>Maximum</u>	<u>Typical</u>
* Surface Resistivity (ohms)		<10 ⁹	
* Particles & Fibers			
particles/m ²	Particles (>0.5micron)	<8 x 10 ⁽⁶⁾	3.9 x 10 ⁽⁶⁾
particles/m ²	Particles (> 5 micron)	<0.5 x 10 ⁽⁶⁾	0.2 x 10 ⁽⁶⁾
fiber/m ²	Fibers (>100 micron)	<400	230
* Nonvolatile Residue			
g/m ² / ug/cm ²	IPA Extractant	<0.05 / 5	0.02 / 2
g/m ² / ug/cm ²	DIW Extractant	<0.02 / 2	0.008 / 0.8
* Extractable Ions			
ppm / ug/g	Sodium (Na+)	<0.3	0.13
ppm / ug/g	Potassium (K+)	<0.1	0.03
ppm / ug/g	Magnesium (Mg ²⁺)	<0.1	0.07
ppm / ug/g	Chloride (Cl+)	<0.3	0.11
ppm / ug/g	Calcium (Ca+)	<0.2	0.13

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



Ordering Information

Product

TC2PL1-99E

Size

9" x 9" (23cm x 23cm)

Packaging

150/Bag, 10Bags/Case