

TekniClean Border Sealed Polyester ESD Cleanroom Wiper

Product Description

Tekniclean polyester knit wipes are made with a hi strength continuous filament polyester yarn in a double knit, no run interlock pattern. These cleanroom wipers are packed in a static shielding bag for ESD sensitive environments. The bag has a ziplock seal to maintain cleanliness. This family of wipers is available dry, or pre-saturated with ultrapure IPA & 18Mohm De-ionized Water. A proprietary process using pressure & heat is used to create a 5mm border seal for fiber & particle retention. Knitting, pre-washing, cutting, washing and packaging are all done in house for optimum control & cleanliness. The wipe is ultra clean and highly sorbent making it ideal for wiping critical surfaces in sensitive electronics manufacturing areas. All Tekniclean wipes utilize Statistical Process Control in manufacturing and are lot traceable from raw material to finished product. Class 10 Laundered & Packaged.

Composition & Attributes

- * 100% Hi Strength Polyester fiber (continuous filament, double knit)
- * Ultra Low particle and fiber generation
- * Ultrasonic Sealed Borders for maximum fiber & particle retention
- * Free of Silicon, Amides, and DOP contamination
- * Solvent safe ESD static shield 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
- * Best choice for ultraclean static sensitive environments.
- * Works well for particle removal & resistance with solvents
- * Soft texture for scratch sensitive surfaces & very durable
- * Compatible with ISO Class 4-5 (Class 10-100) environments

Purity Specifications

* Particles & Fibers		
Particles	(>0.5micron)	3 x 10(6) particles/m2
	(> 5 micron)	200,000 particles/m2
Fibers	(>100 micron)	<300/m2
* Nonvolatile Residue		
IPA Extractant		0.015 ppm
DIW Extractant		0.009 ppm
* Ions		
Sodium (Na+)		0.02 ppm
Potassium (K+)		0.01 ppm
Chloride (Cl+)		0.02 ppm
Calcium (Ca+)		0.04 ppm

Physical Properties

* Basis Weight	140g/m2
* Material	100% Pure Polyester Fiber Continous Filament, Double Knit
* Absorbency	Sorptive Capacity: >410 mL/m2 Sorptive Rate: <1 second
* Test Method	IEST-RP-CC004.3 Section 8.1

Test Method

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

Ordering Information

Product

TC3PB1S-99 (Dry)	9" X 9" (22.9cm x 22.9cm)
TC3PBI70-99 (70% IPA/30% DIW)	9" X 9" (22.9cm x 22.9cm)
TC3PB1S-12 (Dry)	12" x 12" 30cm x 30cm)
TC3PBI70-12 (70% IPA/30% DIW)	12" x 12" 30cm x 30cm)

Size

Packaging

100 Ea/Bag, 10 Bag/Case
50 Ea/Bag, 10 Bag/Case
100 Ea/Bag, 10 Bag/Case
50 Ea/Bag, 10 Bag/Case