



Innovative
Contamination
Solutions

TekniClean Sterile Quilted Polyester Sealed Edge 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. A unique quilting pattern is used in the 2-ply polyester wipes for optimum contamination & liquid holding capacity, resulting in the most absorbent, clean & durable wipe available. A proprietary process using pressure & heat is used to create an ultrasonic sealed edge seal for fiber & particle retention. Knitting, pre-washing, cutting, sealing, 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. 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)
- * Quilted 2-ply construction for sorbency & durability
- * Ultra Low particle and fiber generation
- * Ultrasonic 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
- * Best choice for maximum absorbency, durability & cleanliness
- * Works well for paste/adhesive removal on critical surfaces
- * Soft texture for use with scratch sensitive surfaces
- * Sterilized for aseptic environments
- * Soft Sealed Edges & Lint Free Surface prevent minimize release
- * Compatible with ISO Class 4-5 (Class 10-100) environments

Purity Specifications

* Particles & Fibers

		<u>Maximum</u>	<u>Typical</u>
particles/cm ²	Particles (>0.5micron)	0.6 x 10 ⁽³⁾	0.51 x 10 ⁽³⁾
fiber/cm ²	Fibers (>100 micron)	<0.035	0.018

* Nonvolatile Residue

g/m ² / ug/cm ²	IPA Extractant	0.05 / 5.0	0.03 / 3.0
g/m ² / ug/cm ²	DIW Extractant	0.01 / 1.0	0.008 / 0.8

* Extractable Ions

ppm / ug/g	Sodium (Na+)	<0.2	0.18
ppm / ug/g	Potassium (K+)	<0.1	0.06
ppm / ug/g	Magnesium (Mg ²⁺)	<0.2	0.09
ppm / ug/g	Chloride (Cl+)	<0.2	0.13
ppm / ug/g	Calcium (Ca ²⁺)	<0.3	0.21

Physical Properties

- * Basis Weight 220g/m²
- * Material 100% Pure Polyester Fiber
Continuous Filament, Double Knit
- * Absorbency Extrinsic Capacity: >700 cc/m²
Intrinsic Capacity: >3.15 cc/g
Sorbptive Rate: <1 second
- * Test Method IEST-RP-CC004.3 Section 8.1

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
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Standard Extractable	IEST-4.3-7.2.2.1B
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Gamma Sterilization

Cobalt 60 Gamma Irradiated; 10⁻⁶ Sterility Assurance
Processed Sterile per AAMI 11137 Guidelines
VD MAX Validation: > 25 kGy Dosage

Ordering Information

Product

TC2PU3-99S
TC2PU3-12S

Size

9" X 9" (22.9cm x 22.9cm)
12" X 12" (30cm x 30cm)

Packaging

25 Ea/Bag 20 Bags/Case
25 Ea/Bag 20 Bag/Case