



Innovative
Contamination
Solutions

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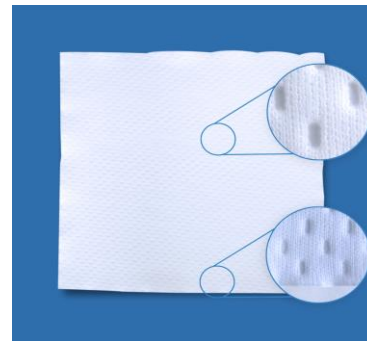
TekniClean Quilted Polyester Sealed Edge Wiper

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
- * Autoclavable for Aseptic environments
- * Soft Sealed Edges & Lint Free Surface prevent minimize release
- * Compatible with ISO Class 4-5 (Class 10-100) environments

Physical Properties

- * Basis Weight 220g/m²
- * Caliper 900 micron
- * Material 100% Pure Polyester Fiber
Continuous Filament, Double Knit
- * Absorbency Extrinsic Capacity: >700 cc/m²
Intrinsic Capacity: >3.15 cc/g
Sorptive Rate: <1 second
- * Test Method IEST-RP-CC004.3 Section 8.1

Purity Specifications

* Particles & Fibers

		<u>Typical</u>
particles/m ²	Particles (>0.5micron)	3.81 x 10 ⁽⁶⁾
fiber/m ²	Fibers (>100 micron)	173

* Nonvolatile Residue

g/m ² / ug/cm ²	IPA Extractant	0.03 / 3.0
g/m ² / ug/cm ²	DIW Extractant	0.008 / 0.8

* Extractable Ions

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

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	IEST-4.3-7.2.2.1B



Ordering Information

Product

TC2PU3-99
TC2PU3-12
TC2PU3-18

Size

9" X 9" (22.9cm x 22.9cm)
12" X 12" (30cm x 30cm)
18" x 18" (45cm x 45cm)

Packaging

100 Ea/Bag (2 inner bags of 50) 8 Bag/Case
100 Ea/Bag (2 inner bags of 50) 8 Bag/Case
25 Ea/ Bag 10Bag/case