



TekniClean Sealed Edge Polyester Knit 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. Knitting, pre-washing, cutting, sealing, washing and packaging are all done in house for optimum control & cleanliness. A proprietary process using pressure & heat is used to create an ultrasonic seal for fiber and particle retention. Superior to laser sealing as it results in a softer edge, and lower carbon levels. 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)
- * 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

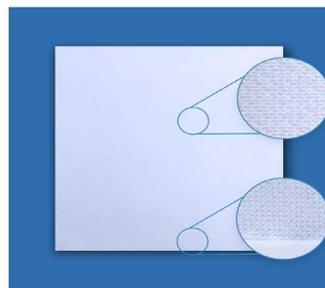
- * Ideal for wiping critical surfaces to achieve ultra cleanliness
- * Works well for environmental & process surface cleaning
- * Soft texture for scratch sensitive surfaces
- * Pure substrate & soft sealed edges minimize fiber release
- * Available pre-wetted with ultra pure IPA / DIW for best performance
- * Excellent as clean barrier for wrapping critical components
- * Compatible with ISO Class 3-5 (Class 10-100) environments

Purity Specifications

		Maximum	Typical
* Particles & Fibers			
particles/m ²	Particles (>0.5micron)	<5 x 10 ⁽⁶⁾	3.9 x 10 ⁽⁶⁾
particles/m ²	Particles (> 5 micron)	<1 x 10 ⁽⁶⁾	0.45 x 10 ⁽⁶⁾
fiber/m ²	Fibers (>100 micron)	<400	230
* Nonvolatile Residue			
g/m ² / ug/cm ²	IPA Extractant	<0.04 / 4	0.02 / 2
g/m ² / ug/cm ²	DIW Extractant	<0.01 / 1	0.008 / 0.8
* Extractable Ions			
ppm / ug/g	Sodium (Na+)	<0.2	0.13
ppm / ug/g	Potassium (K+)	<0.1	0.05
ppm / ug/g	Magnesium (Mg ²⁺)	<0.1	0.07
ppm / ug/g	Chloride (Cl+)	<0.1	0.04
ppm / ug/g	Calcium (Ca+)	<0.2	0.13

Ordering Information

Product	Size
TC2PU1-44	4" X 4" (10.2cm x 10.2cm)
TC2PU1-99	9" X 9" (22.9cm x 22.9cm)
TC2PU1-12	12" x 12" (30cm x 30cm)
TC2PU1-24	24" X 24" (61cm x 61cm)
TC2PU1-36	36" x 36" (91cm x 91cm)
TC2PU1-48	48" X 48" (122 cm x 122cm)



Physical Properties

- * Basis Weight 140g/m²; Standard Weight
- * Material 100% Pure Polyester Continuous Filament, Double Knit, No Run
- * Absorbency Extrinsive Capacity: >410ml/m²
Intrinsic Capacity: >2.6 ml/g
Sorpitive 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

Standard Extractable Method IEST-4.3-7.2.2.1B



Packaging

- 600 Ea/Bag (4 inner bags of 150) 10Bags/Case
- 100 Ea/Bag (2 inner bags of 50) 10 Bags/Case
- 100 Ea/Bag (2 inner bags of 50) 10 Bags/Case
- 25 Ea/Bag, 6 Bags/Case
- 10 Ea/Bag 10 Bags/Case
- 10 Ea/Bag 8 Bags/Case