



Innovative
Contamination
Solutions

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TekniClean Black Inspection Polyester 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 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 verify 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 5 (Class 100) environments

Physical Properties

- * Basis Weight 140g/m²; Standard Weight; Black
- * Material 100% Pure Polyester Continuous Filament, Double Knit, No Run
- * Absorbency Extrinsive Capacity: >410ml/m²
Intrinsic Capacity: >2.6 ml/g
Sorbptive Rate: <1 second
- * Test Method IEST-RP-CC004.3 Section 8.1

Purity Specifications

* Particles & Fibers

		Maximum
particles/m ²	Particles (>0.5micron)	<10 x 10 ⁽⁶⁾
particles/m ²	Particles (> 5 micron)	<0.5 x 10 ⁽⁶⁾
fiber/m ²	Fibers (>100 micron)	<1000

* Nonvolatile Residue

g/m ² / ug/cm ²	IPA Extractant	<0.4
g/m ² / ug/cm ²	DIW Extractant	<0.1

* Extractable Ions

ppm / ug/g	Sodium (Na+)	<0.5
ppm / ug/g	Potassium (K+)	<0.5
ppm / ug/g	Magnesium (Mg ²⁺)	<0.5
ppm / ug/g	Chloride (Cl+)	<0.5
ppm / ug/g	Calcium (Ca+)	<0.5

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

TC1PL1-99BK

Size

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

Packaging

150/Bag, 10Bags/Case