



Innovative  
Contamination  
Solutions

## TekniSat Pre-wet Sealed Edge Polyester Knit Wiper Product Description

TekniSat sealed edge pre-wet polyester wipers are ideal for environmental/cleanroom wipedowns or process tool cleaning. Made with hi strength continuous filament polyester yarn in a double knit, no run interlock pattern. A proprietary process is used to create ultrasonic seals for improved fiber and particle retention, superior to laser sealing as ultrasonic provides a softer & more defined edge. Wipes are prewetted with 0.12micron filtered & purified IPA which is 99.99999% pure & accurately blended with same purity 18 Mega Ohm DI Water, pending blend request. Class 10 Laundered & Packaged.

### Composition & Attributes

- \* 100% Hi Strength 80D Polyester fiber (continuous filament, double knit)
- \* Ultra Low particle & fiber release
- \* Ultra Pure Chemistry; multiple blends available
- \* Free of Silicon, Amides, & DOP contamination
- \* Resists abrasion when used with rough surfaces
- \* Unique pail packaging minimizes VOC's & outgassing
- \* Re-fills available to reduce landfill waste and lower costs
- \* Convenient Flex Pack available with stacked wipes & re-sealable label



### Applications

- \* Ideal for wiping critical surfaces and equipment.
- \* Eliminate storage, control, & dilution of IPA
- \* Minimize VOC's (Volatile Organic Compounds)
- \* Improve yields thru enhanced consistency & control of critical cleaning
- \* Compatible with ISO Class 4-5 (Class 10-100) environments

### Physical Properties

- \* Basis Weight 140g/m<sup>2</sup>
- \* Material 100% Pure Polyester Fiber  
Continuous Filament, Double Knit
- \* DI Water grade 18 Mega ohm RO/DI, .12u filtered
- \* IPA grade UltraPure, .12u filtered, <1 ppb

### Purity Specifications

#### \* Particles & Fibers

			<u>Maximum</u>	<u>Typical</u>
particles/m <sup>2</sup>	Particles (>0.5micron)		5 x 10 <sup>(6)</sup>	4.2 x 10 <sup>(6)</sup>
particles/m <sup>2</sup>	(> 5 micron)		0.5 x 10 <sup>(6)</sup>	0.3 x 10 <sup>(6)</sup>
fibers/m <sup>2</sup>	Fibers (>100 micron)		<400	230

#### \* Nonvolatile Residue

g/m <sup>2</sup> ug/cm <sup>2</sup>	IPA Extractant	<0.04 / 4	0.02 / 2
g/m <sup>2</sup> ug/cm <sup>2</sup>	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	0.03
ppm / ug/g	Magnesium (Mg <sup>2+</sup> )	<0.1	0.07
ppm / ug/g	Chloride (Cl+)	<0.1	0.04
ppm / ug/g	Calcium ( Ca+)	<0.2	0.13

### 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

IEST4.3- 7.2.2.1B

**\*Made in U.S.A**

### Class 10-100 / ISO 4-5

### Product

TS2PUI09Z-99  
TS2PUI70Z-99  
TS2PUI100Z-99

### Ordering Information

#### Description

Zipper Seal Bag, Ultrasonic Sealed Edge, 09% IPA 9"x9"  
Zipper Seal Bag, Ultrasonic Sealed Edge, 70% IPA 9"x9"  
Zipper Seal Bag, Ultrasonic Sealed Edge, 100% IPA 9"x9"

#### Packaging

50/pack, 15 packs/cs  
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