



## TekniSat Sealed Edge Pre-wetted Cleanroom Wiper

### Product Description

Teknisat pre-wetted 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. The wipe is clean and highly sorbent making it ideal for wiping critical surfaces. A proprietary process using pressure & heat is used to create an ultrasonic seal for fiber and particle retention. Superior to laser sealing as ultrasonic method results in a softer, more defined edge. All Teknisat wipes utilize Statistical Process Control in manufacturing and are lot traceable from raw material to finished product. Wipes are prewetted with 0.12micron filtered & purified IPA which is 99.99999% pure and blended with same purity 18 Mega Ohm DI Water, pending blend request. Class 10 Laundered & Packaged.

### Composition & Attributes

- \* 100% Hi Strength 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.
- \* Works well for particle removal with fast evaporation
- \* Minimize VOC's (Volatile Organic Compounds)
- \* Eliminate storage, control, & dilution of IPA
- \* Improve yields thru enhanced consistency & control of critical cleaning
- \* Ideal saturation level leaves no streaks, residue, or contamination
- \* Soft texture for scratch sensitive surfaces & very durable
- \* Compatible with ISO Class 4-5 (Class 10-100) environments

### Purity Specifications

#### \* Particles & Fibers

		Maximum	Typical
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

		Maximum	Typical
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

		Maximum	Typical
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



### 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 impurity

### Test Method

Orbital Shake Test	IEST-4.3- 6.1.4
Short Term Extraction	IEST-4.3- 7.1.2
Standard Extractable Method	IEST4.3- 7.2.2.1B

### Ordering Information

#### Product

TS2PUI09-99  
 TS2PUI09R-99  
 TS2PUI09F-99  
 TS2PUI70-99  
 TS2PUI70R-99  
 TS2PUI70F-99  
 TS2PUI100-44  
 TS2PUI100R-44  
 TS2PUI100-99  
 TS2PUI100R-99

#### Description

Pail, Ultrasonic Sealed Edge, 9% IPA, 9"x9"  
 Refill, Ultrasonic Sealed Edge, 9% IPA, 9"x9"  
 Flex Pack, Ultrasonic Sealed Edge, 9% IPA, 9"x9"  
 Pail, Ultrasonic Sealed Edge, 70% IPA, 9"x9"  
 Refill, Ultrasonic Sealed Edge, 70% IPA, 9"x9"  
 Flex Pack, Ultrasonic Sealed Edge, 70% IPA 9"x9"  
 Pail, Ultrasonic Sealed Edge, 100% IPA, 4" x 4"  
 Refill, Ultrasonic Sealed Edge, 100% IPA, 4"x4"  
 Pail, Ultrasonic Sealed Edge, 100% IPA, 9"x9"  
 Refill, Ultrasonic Sealed Edge, 100% IPA, 9"x9"

#### Packaging

150/pail, 2pails/cs  
 100/pack, 6packs/cs  
 50/pack, 10packs/cs  
 150/pail, 2pails/cs  
 100/pack, 6packs/cs  
 50/pack, 10packs/cs  
 600/pail, 2pails/cs  
 600/pack, 4 packs/cs  
 150/pail, 2pails/cs  
 100/pack, 6packs/cs