



Innovative  
Contamination  
Solutions

## TekniClean Laser Sealed Edge LW 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. All edges are laser sealed for ultra low fiber and particle retention. The fabric 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
- \* 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 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
- \* Autoclavable for Aseptic environments
- \* Compatible with ISO Class 3-5 (Class 10-100) environments

### Purity Specifications

#### \* Particles & Fibers

|                          |                        | <u>Maximum</u>           | <u>Typical</u>          |
|--------------------------|------------------------|--------------------------|-------------------------|
| particles/m <sup>2</sup> | Particles (>0.5micron) | <5 x 10 <sup>(6)</sup>   | 3.9 x 10 <sup>(6)</sup> |
| particles/m <sup>2</sup> | Particles (> 5 micron) | <0.5 x 10 <sup>(6)</sup> | 0.2 x 10 <sup>(6)</sup> |
| fiber/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 |

### Ordering Information

#### Product

|            | <u>Size</u>                 |
|------------|-----------------------------|
| TC2PL2-66B | 6" X 6" (15.25cm x 15.25cm) |
| TC2PL2-99  | 9" x 9" (22.9cm x 22.9cm)   |
| TC2PL2-99B | 9" x 9" (22.9cm x 22.9cm)   |
| TC2PL2-99G | 9" x 9" (22.9cm x 22.9cm)   |
| TC2PL2-12  | 12" X 12" (30cm x 30cm)     |



### Physical Properties

- \* Basis Weight 120g/m<sup>2</sup>; Light Weight
- \* Material 100% Pure Polyester Continuous Filament, Double Knit, No Run
- \* Absorbency Extrinsic Capacity: >390ml/m<sup>2</sup>  
Intrinsic Capacity: >2.6 ml/g  
Sorbptive 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

|                                          |
|------------------------------------------|
| 960 Ea/Bulk Packed Bag, 10Bags/Case      |
| 150 Ea/Bag, 10 Bags/Case                 |
| 150 Ea/Bulk Packed Bag, 10Bags/Case      |
| 150 Ea/Bulk Packed Bag, 175 Bags/Gaylord |
| 100 Ea/Bag, 10 Bags/Case                 |