



Innovative  
Contamination  
Solutions

## TekniPure Sealed Edge Poly/Microfiber Wiper

### Product Description

This unique product provides best performance and value for critical cleaning applications.

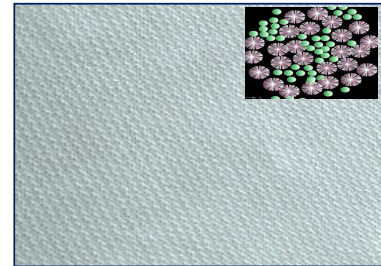
Most effective wiping performance from unique fabric which attracts & holds contaminants

The wedge like yarn structure effectively traps all micro-contamination (particle, fiber, & oil based)

Class 10 Laundered & Packaged

### Composition & Attributes

- \* Tightly knit & pre-shrunk 95% Micro-denier Polyester & 5% Nylon fiber
- \* Ultra Low particle and fiber generation
- \* Ultrasonic Sealed Edges or Borders for best fiber & particle retention
- \* Free of Silicon, Amides, and DOP contamination
- \* Solvent safe double bag cleanroom packaging
- \* Super soft for scratch sensitive surfaces
- \* Resists abrasion when used with rough surfaces
- \* Available pre-wet for improved process cleaning



Magnified Surface

### Applications

- \* Ideal for removing oil based contamination, 100% removal
- \* Works well for process cleaning; ultra pure substrate / best performance
- \* Silky texture will not scratch sensitive surfaces when force is applied
- \* Works well for difficult particle removal; excellent abrasion resistance
- \* Best abrasion resistance; excellent choice for process tool chambers
- \* Recommended for Optical, LCD, & Hard Disk Drive cleaning
- \* Compatible with ISO Class 4-5 (Class 10-100) environments

### Physical Properties

- \* Basis Weight 155 g/m<sup>2</sup>
- \* Material 95% Polyester / 5% Nylon Microdenier & Microfiber Blend
- \* Absorbency Extrinsic Capacity: >220ml/m<sup>2</sup>  
Intrinsic Capacity: >1.9 ml/g  
Sorptive Rate: < 2 seconds
- \* Test Method IEST 4.3 Section 8.1

### Purity Specifications

#### \* Particles & Fibers

#### Maximum

#### Typical

particles/m <sup>2</sup>	Particles (>0.5 micron)	<4.5 x 10 <sup>(6)</sup>	3.05 x 10 <sup>(6)</sup>
particles/m <sup>2</sup>	Particles (> 5 micron)	<0.3 x 10 <sup>(6)</sup>	0.16 x 10 <sup>(6)</sup>
fiber/m <sup>2</sup>	Fibers (>100 micron)	<300	106

#### \* Nonvolatile Residue

g/m <sup>2</sup> / ug/cm <sup>2</sup>	IPA Extractant	<0.01 / 1	0.0267 / 2.67
	Acetone Extractant	<0.01 / 1	0.0286 / 2.86
g/m <sup>2</sup> / ug/cm <sup>2</sup>	DIW Extractant	<0.01 / 1	0.0012/ 0.12

#### \* Extractable Ions

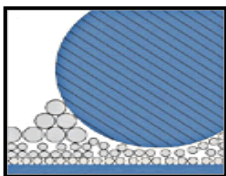
ppm / ug/g	Sodium (Na+)	<2	0.45
	Potassium (K+)	<2	0.09
	Magnesium (Mg <sup>2+</sup> )	<2	0.35
	Chloride (Cl+)	<2	0.26
	Calcium (Ca+)	<2	0.42

### Test Method

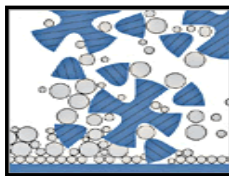
Orbital Shake Test IEST-4.3-6.1.4

Short Term Extraction IEST-4.3-7.1.2

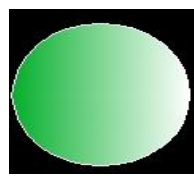
Standard Extractable Method IEST-4.3-7.2.2.1B



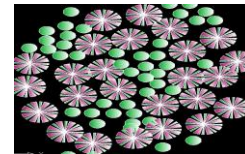
Traditional wiping



Microfiber wiping



50d/72f Polyester Microfiber



Fabric Structure



75d/36f/16 Poly/Nylon Split Microfiber

### Ordering Information

#### Size

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

#### Packaging

100 Ea/Bag 10 Bag/Case

#### Product

TC2PMDU1-99