



## TekniZorb Sterile Nonwoven Wiper

### Product Description

Made with hydroentangled blend of 55% cellulose / 45% polyester; providing economical performance & purity. This creates a strong, clean, and very absorbant wipe for liquid removal or lint free wiping in controlled areas. This nonwoven wipe exhibits lower particle & fiber release than other comparable products via substrate & processing improvement & control. Sterilized for use in aseptic environments  
Class 100 packaged

### Composition & Attributes

- \* Light weight Hydroentangled 55% Cellulose / 45% Polyester
- \* Gamma Irradiated Sterile thru Cobalt 60 processing
- \* Low particle and fiber generation
- \* Extremely high absorbancy per basis weight
- \* Maintains hi strength in wet applications
- \* Works well with IPA and other cleaning solvents



### Applications

- \* Ideal for spill pick up in controlled environments or gown room wipe
- \* Excellent choice for general purpose wiping; clean & economical
- \* Soft texture for scratch sensitive surfaces & very durable
- \* Packed in small quantities for ease of aseptic protocol compliance
- \* Compatible with ISO Class 6+ (Class 1000) cleanroom environments

### Physical Properties

- \* Basis Weight 58g/m<sup>2</sup> (+/-2g/m<sup>2</sup>)
- \* Material 55% Cellulose/45% Polyester
- \* Absorbency Extrinsic Capacity: >265ml/m<sup>2</sup>  
Intrinsic Capacity: >3.8ml/g  
Sorptive Rate: < 1 second

### Purity Specifications

#### \* Particles & Fibers

		<u>Maximum</u>	<u>Typical</u>
particles/m <sup>2</sup>	Particles (0.5-100um)	70 x 10 <sup>(6)</sup>	47 x 10 <sup>(6)</sup>
fibers/m <sup>2</sup>	Fibers (>100um)	0.26 x 10 <sup>(6)</sup>	0.18 x 10 <sup>(6)</sup>

#### \* Nonvolatile Residue

		<u>Maximum</u>	<u>Typical</u>
g/m <sup>2</sup> / ug/cm <sup>2</sup>	IPA Extractant	0.0025 / 0.25	0.005 / 0.5
g/m <sup>2</sup> / ug/cm <sup>2</sup>	DIW Extractant	0.0029 / 0.29	0.006 / 0.6

#### \* Extractable Ions

		<u>Maximum</u>	<u>Typical</u>
ppm / ug/g	Calcium (Ca+)	<5	ND
ppm / ug/g	Chloride (Cl-)	<10	1
ppm / ug/g	Potassium (K+)	<5	ND
ppm / ug/g	Magnesium (Mg <sup>2+</sup> )	<5	ND
ppm / ug/g	Sulfate (SO <sub>4</sub> )	<30	18.5
ppm / ug/g	Sodium (Na+)	<10	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
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Standard Extractable	IEST-4.3-7.2.2.1B
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### Gamma Sterilization Intensity

VD MAX:	> 25 kGy
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### Ordering Information

#### Product

TZ199S  
TZ112S

#### Size

9" x 9" (22.9cm x 22.9cm)  
12" x 12" (30cm x 30cm)

#### Packaging

100 Ea/Bag 30 Bag/Case  
50 Ea/Bag 30 Bags/Case

**Innovative Micro Contamination Control Solutions**