



Innovative
Contamination
Solutions

To Order Call:
Harmony Business Supplies
1-800-899-1255
www.HarmonyCR.com

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. Validated Sterile 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 5+ (Class 100+) cleanroom environments

Physical Properties

- * Basis Weight 58g/m² (+/-2g/m²)
- * Material 55% Cellulose/45% Polyester
- * Absorbency Extrinsic Capacity: >265ml/m²
Intrinsic Capacity: >3.8ml/g
Sorptive Rate: < 1 second

Purity Specifications

* Particles & Fibers

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

* Nonvolatile Residue

g/m ² / ug/cm ²	IPA Extractant	0.0025 / 0.25	0.005 / 0.5
g/m ² / ug/cm ²	DIW Extractant	0.0029 / 0.29	0.006 / 0.6

* Extractable Ions

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 ²⁺)	<5	ND
ppm / ug/g	Sulfate (SO ₄)	<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
Standard Extractable	IEST-4.3-7.2.2.1B

Gamma Sterilization

Cobalt 60 Gamma Irradiated; 10⁻⁶ Sterility Assurance Level
Processed Sterile per AAMI 11137 Guidelines
VD MAX Validation: > 25 kGy Dosage

Ordering Information

Product

	<u>Size</u>
TZ199S	9" x 9" (22.9cm x 22.9cm)
TZ199S-25	9" x 9" (22.9cm x 22.9cm)
TZ112S	12" x 12" (30cm x 30cm)
TZ112S-25	12" x 12" (30cm x 30cm)

Packaging

100 Ea/Bag, 30 Bag/Case
25 Ea/Bag, 50 Bag/Case
50 Ea/Bag, 30 Bags/Case
25 Ea/Bag, 20 Bags/Case