



Vertex[®] Microdenier

Dry Wipers



TECHNICAL DATA SHEET



Vertex®
Microdenier, 100% polyester



Made in USA

Products

Number	Description	Sterile	Packaging	Case
<i>Dry Wipers – Vertex®</i>				
TX59	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag	10 bags

T E C H N I C A L D A T A S H E E T

Description

Vertex® Microdenier is made from 100% polyester, nylon-free, material with a sealed edge processed on Texwipe's fully automated manufacturing system.

Vertex® advances wiper manufacturing technology, bringing it to the highest level in the industry.

Available dry (Vertex® Microdenier).

Applications

- Wiping and cleaning surfaces, equipment and parts.
- Applying and removing lubricants, adhesives, residues and other solutions including disinfectants.
- Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone, and degreasers.
- Appropriate for use with temperatures less than 400°F (205°C).

Industries

Aerospace	Animal Laboratory	Biologics
Cleanroom Design/Build	Compounding Pharmacies	Data Storage
Facilities Maintenance	Industrial	Laboratory
Medical Device	Microelectronics	Pharmaceutical
Printing/Graphics	Semiconductor	USP <797> / USP <800>

Features & Benefits

- Vertex® Microdenier offers increased lifting and capturing of particles as small as microbes.
- Quick wicking performance, ideal for streak-free cleaning and spill control.
- Ideal for wiping surfaces susceptible to scratching.
- Unique microdenier construction allows the removal of oils and fingerprints.
- Nylon-free and compatible for applying Quaternary Ammonium Compounds (Quats) and other disinfectants and cleaners.
- Tested for cytotoxicity and bacterial endotoxins for an extra level of contamination control assurance.
- Manufactured to provide low levels of particles and extractables creating a wiper suitable for critical cleaning and wiping.
- Meets USP <797> and USP <800> wiper requirements.
- Autoclave safe.
- Individually lot coded for ease of traceability and quality control.

Cleanroom Environment

- ISO Class 3 – 7
- Class 1 – 10,000
- EU Grade B – D

Shelf Life

- Non-Sterile (Dry) – 5 years from date of manufacture

Custom products available upon request.

T E C H N I C A L D A T A S H E E T

Performance Characteristics

Property	Typical Value	Test Method*
Particles and Fibers LPC: ≥0.5 µm Fibers: >100 µm	9.0 x 10 ⁶ particles/m ² 320 fibers/m ²	1, TM22 2, TM22
Nonvolatile Residue IPA extractant DIW extractant	0.07 g/m ² 0.01 g/m ²	1, TM1 1, TM1
Ions Sodium Potassium Chloride	<0.30 ppm <0.80 ppm <0.10 ppm	1, TM18 1, TM18 1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency Sorptive capacity Sorptive rate	350 mL/m ² 0.3 secondd	1, TM20 1, TM20
Basis Weight	190 g/m ²	1, TM20

***Test Methods**

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC004.4, Institute for Environmental Sciences and Technology, Schaumburg, IL, 2019; www.iest.org.
 - 2 – E2090-12(2020), “Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Cleanroom Wipers Using Optical and Scanning Electron Microscopy,” ASTM International, West Conshohocken, PA, 2020, www.astm.org.
- TM – Refers to Texwipe Test Method – available upon request. Contact Customer Service for a copy. Note: The data in this table represent typical analyses.

Texwipe holds ISO 9001 registration.

All Texwipe products conform to GHS classification for labeling (where applicable).

Shipping classification based on weight of inner package.