

Vertex[®]

Dry | Pre-Wetted | Sterile



TECHNICAL DATA SHEET



Vertex® TX3221 (top)

Vertex® 40 (bottom)

 Vertex®
 100% polyester

Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – Vertex®				
TX49	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag	10 bags
TX3049	9" x 9" (23 cm x 23 cm) dry, sterile	●	100 wipers/bag (5 bags of 20 wipers)	5 bags
TX3221	11" x 11" (28 cm x 28 cm) dry, sterile	●	100 wipers/bag (5 bags of 20 wipers)	5 bags
TX42	12" x 12" (31 cm x 31 cm) dry		100 wipers/bag	10 bags
TX3042	12" x 12" (31 cm x 31 cm) dry, sterile	●	100 wipers/bag (5 bags of 20 wipers)	5 bags
Pre-Wetted Wipers – Vertex®				
TX49P	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA		75 wipers/reclosable bag	4 bags
TX3049P	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA, sterile	●	25 wipers/reclosable bag	5 bags
TX42P	12" x 12" (31 cm x 31 cm) pre-wetted with 70% IPA		50 wipers/reclosable bag	4 bags
TX3042P	12" x 12" (31 cm x 31 cm) pre-wetted with 70% IPA, sterile	●	25 wipers/reclosable bag	5 bags
TX3044P	12" x 12" (31 cm x 31 cm) pre-wetted with 70% EtOH (ethanol), sterile	●	25 wipers/reclosable bag	5 bags

TECHNICAL DATA SHEET

Description

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

Available dry (Vertex®), pre-wetted (Vertex® pre-wetted) and sterile.

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
- Lining trays for holding, protecting, drying and storing of parts, equipment and devices
- Dry Wipers: Appropriate for use with temperatures less than 400°F (205°C)
- Pre-wetted Wipers: Use with caution at elevated temperatures

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® processing provides low levels of ions, NVRs (non-volatile residues), particles and fibers for use in critical cleaning applications and environments
- Tested quarterly for cytotoxicity and bacterial endotoxins for an extra level of contamination control assurance
- Designed for high sorption capacity which is ideal for spill control, cleaning, and solution application
- Vertex® pre-wetted products are pre-wet with 0.2 µm filtered 70% USP-grade IPA / 30% DIW or 70% Denatured Ethanol / 30% DIW for ease of use
- Vertex® pre-wetted wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels
- Pre-wetted wipers are packaged in easy-to-use, recloseable slider bags, reducing solution evaporation that preserves the consistent wiper wetness level
- Meets USP <797> and USP <800> wiper requirements
- Autoclave safe (dry wipers only)
- Individually lot coded for ease of traceability and quality control

Sterile Products

- Gamma irradiated to a Sterility Assurance Level of 10⁻⁶ according to AAMI Guidelines
- Certificates of Compliance, Analysis and Irradiation available on the website
- Sterile Validation Documentation available upon request

Cleanroom Environment

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

Shelf Life

- Non-Sterile (Dry) – 5 years from date of manufacture
- Non-Sterile (Pre-Wetted) – 3 years from date of manufacture
- Sterile (Dry & Pre-Wetted) – 3 years from date of manufacture

TECHNICAL DATA SHEET

Performance Characteristics

Property	Typical Value		Test Method*
	40 Series	TX3221	
Particles and Fibers			
LPC: $\geq 0.5 \mu\text{m}$	9.5×10^6 particles/m ²	8.2×10^6 particles/m ²	1, TM22
Fibers: $> 100 \mu\text{m}$	200 fibers/m ²	240 fibers/m ²	2, TM22
Nonvolatile Residue			
IPA extractant	0.02 g/m ²	0.02 g/m ²	1, TM1
DIW extractant	0.01 g/m ²	0.01 g/m ²	1, TM1
Ions			
Sodium	0.17 ppm	0.05 ppm	1, TM18
Potassium	0.01 ppm	0.07 ppm	1, TM18
Chloride	0.05 ppm	0.02 ppm	1, TM18

Physical Characteristics

Property	Typical Value		Test Method*
Absorbency			
Sorptive capacity	450 mL/m ²	680 mL/m ²	1, TM20
Sorptive rate	0.3 second	<1 second	1, TM20
Basis Weight	130 g/m ²	214 g/m ²	1, TM20

Note: The data in this table represent typical analyses.

***Test Methods**

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL, 2004; 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, 2012; www.astm.org.
- TM – Refers to Texwipe Test Method – available upon request. Contact Customer Service for a copy.

Storage Conditions: Store at ambient conditions, defined as temperatures between 59°F (15°C) and 86°F (30°C). Since there may be a flammable liquid present, please follow all Federal, State, Provincial, local, and internal guidelines.

*Texwipe holds an ISO 9001:2015 registration.
 All Texwipe products conform to GHS classification for labeling (where applicable).
 Shipping classification based on weight of inner package.*