

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: $\geq 0.5 \mu\text{m}$ Fibers: $> 100 \mu\text{m}$	9.5×10^6 particles/m ² 200 fibers/m ²	8.2×10^6 particles/m ² 240 fibers/m ²	1, TM22 2, TM22
Nonvolatile Residue IPA extractant DIW extractant	0.02 g/m ² 0.01 g/m ²	0.02 g/m ² 0.01 g/m ²	1, TM1 1, TM1
Ions Sodium Potassium Chloride	0.17 ppm 0.01 ppm 0.05 ppm	0.05 ppm 0.07 ppm 0.02 ppm	1, TM18 1, TM18 1, TM18

Physical Characteristics

Property	Typical Value		Test Method*
Absorbency Sorptive capacity Sorptive rate	450 mL/m ² 0.3 second	680 mL/m ² <1 second	1, TM20 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 Texwipe Customer Service at Texwipe.com or info@texwipe.com 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.*