



An ITW Company

www.texwipe.com

Vertex[®]

Dry | Pre-Wetted | Sterile

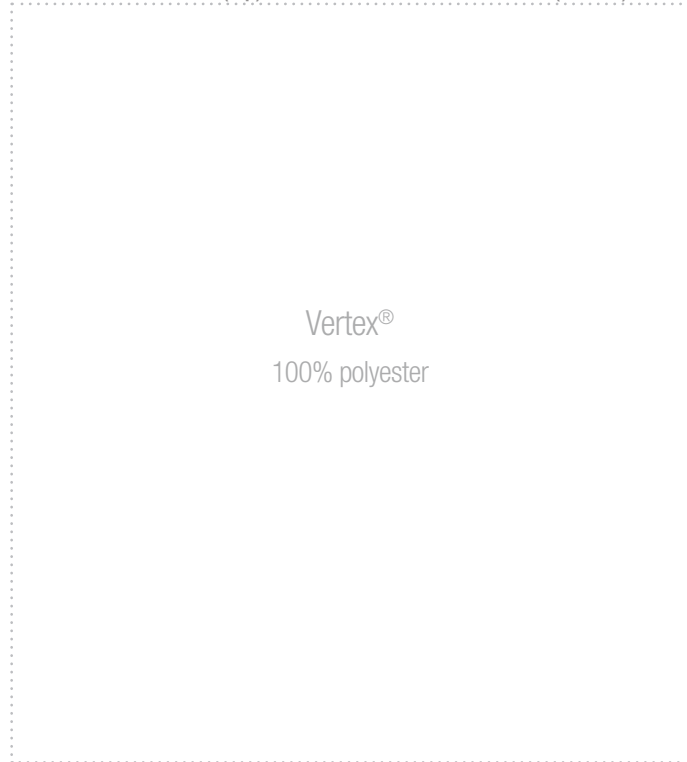


TECHNICAL DATA SHEET



Vertex® TX29 (top)

Vertex® 40 (bottom)



Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – Vertex®				
TX29	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag (2 bags of 75 wipers)	10 bags
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

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

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 attached to each case.
- 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

Custom products available upon request.

TECHNICAL DATA SHEET

Performance Characteristics

Property	Typical Value			Test Method*
	TX29	40 Series	TX3221	
Particles and Fibers				
LPC: $\geq 0.5 \mu\text{m}$	7.4×10^6 particles/m ²	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	200 fibers/m ²	500 fibers/m ²	2, TM22
Nonvolatile Residue				
IPA extractant	0.02 g/m ²	0.02 g/m ²	0.02 g/m ²	1, TM1
DIW extractant	0.01 g/m ²	0.01 g/m ²	0.01 g/m ²	1, TM1
Ions				
Sodium	0.08 ppm	0.17 ppm	0.05 ppm	1, TM18
Potassium	0.03 ppm	0.01 ppm	0.07 ppm	1, TM18
Chloride	0.02 ppm	0.05 ppm	0.02 ppm	1, TM18

Physical Characteristics

Property	Typical Value			Test Method*
	TX29	40 Series	TX3221	
Absorbency				
Sorptive capacity	350 mL/m ²	450 mL/m ²	680 mL/m ²	1, TM20
Sorptive rate	0.3 second	0.3 second	<1 second	1, TM20
Basis Weight	130 g/m ²	130 g/m ²	214 g/m ²	1, TM20

*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, “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 www.texwipe.com or info@texwipe.com 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.