

TECHNICAL DATA SHEET

Performance Characteristics

Property	Typical Value	Test Method*
Particles and Fibers		
LPC: ≥0.5 µm	2.9 x 10 ⁶ particles/m ²	1, TM22
Particles: 0.5-5.0 µm	1.7 x 10 ⁶ particles/m ²	2, TM22
Particles: 5.0-100 µm	37,000 particles/m ²	2, TM22
Fibers: >100 µm	100 fibers/m ²	2, TM22
Nonvolatile Residue		
IPA extractant	0.02 g/m ²	1, TM1
DIW extractant	0.003 g/m ²	1, TM1
Ions		
Sodium	0.04 ppm	1, TM18
Potassium	0.04 ppm	1, TM18
Chloride	0.009 ppm	1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency		
Sorptive capacity	320 mL/m ²	1, TM20
Sorptive rate	0.5 second	1, TM20
Basis Weight	130 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.eu or info@texwipe.com for a copy.

Note: The data in this table represent typical analyses.

For non-sterile products:

- TX8410, TX8415 – filled using Semiconductor grade IPA.

For sterile products:

- 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.
- TX3280, TX3285 – filled using USP grade IPA.

Texwipe holds ISO 9001:2015 registrations.

*All Texwipe products conform to GHS classification for labeling (where applicable).
Shipping classification based on weight of inner package.*

Vectra® Alpha® 10

Dry | Pre-Wetted | Sterile



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Vectra® Alpha® 10
100% polyester

Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – Vectra® Alpha® 10				
TX1010	9" x 9" (23 cm x 23 cm) dry		100 wipers/bag (2 inner bags of 50)	10 bags
TX1012	12" x 12" (31 cm x 31 cm) dry		100 wipers/bag	10 bags
TX3212	12" x 12" (31 cm x 31 cm) dry, sterile	●	100 wipers/bag (5 packs of 20)	5 bags
Pre-Wetted Wipers – AlphaSat® with Vectra® Alpha® 10				
TX3280	12" x 12" (31 cm x 31 cm) pre-wetted with 70% IPA, sterile	●	50 wipers/flatpack	5 flatpacks
TX3285	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA, sterile	●	20 wipers/flexpack	20 flexpacks
TX8410	9" x 9" (23 cm x 23 cm) pre-wetted with 100% IPA		50 wipers/recloseable bag	12 bags
TX8415	9" x 9" (23 cm x 23 cm) pre-wetted with 6% IPA		50 wipers/recloseable bag	12 bags

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Description

Vectra® Alpha® 10 is made from 100% polyester with a sealed border, processed on Texwipe's automated cleaning system.

Vectra® advances the cleaning process and brings this technology to a higher level of wiper manufacturing.

Available dry (Vectra® Alpha® 10), pre-wetted (AlphaSat® with Vectra® Alpha® 10) 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.
- 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

- Vectra sealed border technology provides low levels of ions, NVRs (non volatile residues), particles and fibers for use in critical cleaning applications and environments.
- Designed for use on abrasive surfaces. This wiper will not easily snag or abrade releasing particles and fibers into the process or environment.
- AlphaSat® with Vectra® Alpha® 10 wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels.
- Packaged in easy-to-use, recloseable slider and peel-and-reseal bags, reducing solution evaporation that preserves the consistent wiper wetness level.
- AlphaSat® with Vectra® Alpha® 10 products are pre-wet with 0.2 µm filtered 100% IPA, 70% IPA / 30% DIW or 6% IPA / 94% DIW for ease of use.
- TX3280 filled with 70% USP Grade IPA / 30% Water for Injection (WFI)
- Excellent chemical resistance for compatibility with a variety of solutions.
- Meets USP <797> and USP <800> wiper requirements.
- Autoclave safe (dry wipers only).
- Individually lot coded for ease of traceability and quality control.

Cleanroom Environment

- ISO Class 2 – 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
- TX8410 – 8 months from date of manufacture
- Sterile (Dry & Pre-Wetted) – 3 years from date of manufacture

Custom products available upon request.