

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 Customer Service 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:

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

Texwipe holds ISO 9001 and ISO 14001 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

TEX-LIT-TDS-028 Rev.00-05/17

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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.