

TECHNICAL DATA SHEET

**Performance Characteristics**

Property	Typical Value	Test Method*
<b>Particles and Fibers</b>		
LPC: ≥0.5 μm	2.9 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM22
Particles: 0.5-5.0 μm	1.7 x 10 <sup>6</sup> particles/m <sup>2</sup>	2, TM22
Particles: 5.0-100 μm	37,000 particles/m <sup>2</sup>	2, TM22
Fibers: >100 μm	100 fibers/m <sup>2</sup>	2, TM22
<b>Nonvolatile Residue</b>		
IPA extractant	0.02 g/m <sup>2</sup>	1, TM1
DIW extractant	0.003 g/m <sup>2</sup>	1, TM1
<b>Ions</b>		
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*
<b>Absorbency</b>		
Sorptive capacity	320 mL/m <sup>2</sup>	1, TM20
Sorptive rate	0.5 second	1, TM20
<b>Basis Weight</b>	130 g/m <sup>2</sup>	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](http://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](http://www.astm.org).
- TM – Refers to Texwipe Test Method – available upon request. Contact Texwipe Customer Service at [www.texwipe.com](http://www.texwipe.com) or [info@texwipe.com](mailto: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:**

- Gamma irradiated to a Sterility Assurance Level of 10<sup>-6</sup> 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<sup>®</sup> Alpha<sup>®</sup> 10

Dry | Pre-Wetted | Sterile

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Vectra® Alpha® 10  
100% polyester



#### Products

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