

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

Performance Characteristics

| Property                                                       | Typical Value                                                                 | Test Method*                  |
|----------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------|
| <b>Particles and Fibers</b><br>LPC: ≥0.5 µm<br>Fibers: >100 µm | 8.4 x 10 <sup>6</sup> particles/m <sup>2</sup><br>2,000 fibers/m <sup>2</sup> | 1, TM22<br>2, TM22            |
| <b>Nonvolatile Residue</b><br>IPA extractant<br>DIW extractant | 0.06 g/m <sup>2</sup><br>0.01 g/m <sup>2</sup>                                | 1, TM1<br>1, TM1              |
| <b>Ions</b><br>Sodium<br>Potassium<br>Chloride                 | 0.15 ppm<br>0.03 ppm<br>0.10 ppm                                              | 1, TM18<br>1, TM18<br>1, TM18 |

Physical Characteristics

| Property                                                | Typical Value                         | Test Method*       |
|---------------------------------------------------------|---------------------------------------|--------------------|
| <b>Absorbency</b><br>Sorptive capacity<br>Sorptive rate | 530 mL/m <sup>2</sup><br><0.3 seconds | 1, TM20<br>1, TM20 |
| <b>Basis Weight</b>                                     | 158 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:

- TX1034, TX1036, TX1039 – filled using USP grade IPA.
- TX7031 – 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.
- STX1034 – 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.*

AlphaWipe®

Dry | Pre-Wetted | Sterile

TECHNICAL DATA SHEET



AlphaWipe®  
100% Polyester



Products

| Number                        | Description                                              | Sterile | Packaging                             | Case    |
|-------------------------------|----------------------------------------------------------|---------|---------------------------------------|---------|
| Dry Wipers – AlphaWipe®       |                                                          |         |                                       |         |
| SXT1004                       | 4" x 4" (10 cm x 10 cm) dry, sterile                     | ●       | 50 wipers/bag                         | 50 bags |
| TX1004*                       | 4" x 4" (10 cm x 10 cm) dry                              |         | 300 wipers/bag (2 bags of 150 wipers) | 20 bags |
| TX1009*                       | 9" x 9" (23 cm x 23 cm) dry                              |         | 150 wipers/bag (2 bags of 75 wipers)  | 10 bags |
| TX1009B*                      | 9" x 9" (23 cm x 23 cm) dry                              |         | 150 wipers/bag (2 bags of 75 wipers)  | 10 bags |
| TX3211                        | 9" x 9" (23 cm x 23 cm) dry, SterileWipe® LP             | ●       | 100 wipers/bag (10 bags of 10 wipers) | 5 bags  |
| TX1031*                       | 9" x 32" (23 cm x 81 cm) dry                             |         | 20 wipers/bag                         | 10 bags |
| TX1013*                       | 12" x 12" (31 cm x 31 cm) dry                            |         | 75 wipers/bag double bagged           | 10 bags |
| TX1025                        | 24" x 44" (61 cm x 112 cm) dry                           |         | 25 wipers/bag                         | 3 bags  |
| Pre-Wetted Wipers – AlphaSat® |                                                          |         |                                       |         |
| STX1034                       | 4" x 4" (10 cm x 10 cm) pre-wetted with 70% IPA, sterile | ●       | 50 wipers/reclosable bag              | 8 bags  |
| TX1034                        | 4" x 4" (10 cm x 10 cm) pre-wetted with 70% IPA          |         | 200 wipers/reclosable bag             | 4 bags  |
| TX1036                        | 6" x 6" (15 cm x 15 cm) pre-wetted with 70% IPA          |         | 75 wipers/reclosable bag              | 12 bags |
| TX1039                        | 9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA          |         | 50 wipers/reclosable bag              | 4 bags  |
| TX7031                        | 9" x 31" (23 cm x 79 cm) pre-wetted with 6% IPA          |         | 25 wipers/reclosable bag              | 4 bags  |

\*Made in China

TECHNICAL DATA SHEET

Description

AlphaWipe® is made from 100% polyester material with a cut edge, cleanroom laundered.  
Available dry (AlphaWipe®), pre-wetted (AlphaSat®), and sterile.

Applications

- Wiping and cleaning surfaces, equipment and parts.
- Spill control.
- Applying and removing lubricants, adhesives, residues and other solutions including disinfectants.
- Cleaning with solvents such as isopropyl alcohol (IPA), acetone, and degreasers.
- Cleaning gloves, notebooks, phones or any other item entering the cleanroom.
- Lining trays for holding, protecting, drying and storing of parts, equipment and devices.
- 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

- Constructed from 100% polyester creating a high absorbency wiper ideal for spill control, cleaning, and solution application.
- Cleanroom laundered and packaged providing ultra low levels of ions and non volatile residues.
- Designed for use on abrasive surfaces. This wiper will not easily snag or abrade releasing particles and fibers into the process or environment.
- Excellent chemical resistance for compatibility with a variety of solutions.
- Meets USP <797> and USP <800> wiper requirements.
- Autoclave safe (dry wipe).
- AlphaSat® products are pre-wet with 0.2 µm filtered 70% IPA / 30% DIW or 6% IPA / 94% DIW for ease of use
- AlphaSat® wipers provide a consistent, optimized cleaning efficiency with repeatable wetness VOC levels.
- AlphaSat® pre-wetted wipers are packaged in easy-to-use, recloseable slider bags, reducing solution evaporation that preserves the consistent wiper wetness level.
- Individually lot coded for ease of traceability and quality control.

Cleanroom Environment

- ISO Class 4 – 8
- Class 10 – 100,000
- 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 the date of manufacture

Custom products available upon request.