



Texwipe®
An **TW** Company



TECHNICAL DATA SHEET

ABSORBOND®

Dry | Pre-Wetted | Swabs

TECHNICAL DATA SHEET



Absorbond®
100% polyester



Made in USA

Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – Absorbond®				
TX404	4" x 4" (10 cm x 10 cm) dry		1,200 wipers/bag (4 inner bags of 300)	10 bags
TX409	9" x 9" (23 cm x 23 cm) dry		300 wipers/bag (2 inner bags of 150)	10 bags
Pre-Wetted Wipers – Absorbond®				
TX409P	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA		75 wipers/reclosable bag	4 bags

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Description

Absorbond® is made from 100% polyester nonwoven material with a cut edge, cleanroom manufactured.

Available dry or pre-wetted.

Applications

- Wiping and cleaning surfaces, equipment and parts.
- Wiping and cleaning optical devices such as lenses or other scratch sensitive surfaces.
- Cleaning gloves, notebooks, phones or any other item entering the cleanroom.
- Applying and removing lubricants, adhesives, residues and other solutions including disinfectants.
- Cleaning with solvents such as isopropyl alcohol (IPA), acetone, and degreasers.
- Appropriate for use with temperatures less than 400°F (205°C) (dry).

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 nonwoven creating a soft, non-abrasive wiper ideal for use on scratch sensitive surfaces.
- Manufactured to provide low levels of ions and NVRs (non-volatile residues) creating a wiper suitable for critical environments.
- Excellent chemical resistance for compatibility with a variety of solutions.
- Absorbond® wipers provide high absorbency with isopropyl (IPA) solutions.
- Autoclave safe (dry).
- Individually lot coded for ease of traceability and quality control.
- Absorbond® pre-wetted products are prewet with 0.2 µm filtered 70% USP-grade IPA / 30% DIW for ease of use.
- Absorbond® pre-wetted wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels.
- Pre-wetted wipers are packaged in easy to use, reclosable slider bags, reducing solution evaporation that preserves the consistent wiper wetness level.

Cleanroom Environment

- ISO Class 5 – 8
- Class 100 – 100,000
- EU Grade B – D

Shelf Life

- Non-Sterile (Dry) – 5 years from date of manufacture
- Non-Sterile (Pre-Wetted) – 3 years from date of manufacture

Custom products available upon request.

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Performance Characteristics

Property	Typical Value	Test Method*
Particles and Fibers		
LPC: $\geq 0.5 \mu\text{m}$	1.3×10^6 particles/m ²	1, TM22
Fibers: $>100 \mu\text{m}$	23,000 fibers/m ²	2, TM22
Nonvolatile Residue		
IPA extractant	0.01 g/m ²	1, TM1
DIW extractant	0.005 g/m ²	1, TM1
Ethanol extractant	0.01 g/m ²	1, TM1
Ions		
Sodium	7 ppm	1, TM18
Potassium	2 ppm	1, TM18
Chloride	5 ppm	1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency		
Sorptive capacity	210 mL/m ²	1, TM20
Sorptive rate	1.4 seconds	1, TM20
Basis Weight	42 g/m ²	1, TM20

*Test Methods

1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC004.2, Institute for Environmental Sciences and Technology, Rolling Meadows, IL, 1999; www.iest.org.

2 – E2090-12(2026), “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, 2026; 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 an ISO 9001:2015 registration.

All Texwipe products conform to GHS classification for labeling (where applicable).

Shipping classification based on weight of inner package.