



An ITW Company

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# TechniCloth<sup>®</sup>

Dry | Pre-Wetted | Sterile



## TECHNICAL DATA SHEET



TechniCloth®  
 45% Polyester / 55% Cellulose

### Products

Number	Description	Sterile	Packaging	Case
<b>TX604</b>	4" x 4" (10 cm x 10 cm) dry		1,200 wipers/bag (4 packs of 300 wipers)	10 bags
<b>TX606</b>	6" x 6" (15 cm x 15 cm) dry		600 wipers/bag (2 packs of 300 wipers)	10 bags
<b>TX609</b>	9" x 9" (23 cm x 23 cm) dry		300 wipers/bag	10 bags
<b>STX609</b>	9" x 9" (23 cm x 23 cm) dry, sterile	●	100 wiper/bag (4 packs of 25 wipers)	5 bags
<b>TX612</b>	12" x 12" (31 cm x 31 cm) dry		150 wipers/bag	10 bags
<b>TX627C</b>	15" x 27" (38 cm x 68 cm)		150 wipers/bag (2 packs of 75 wipers)	4 bags
<b>TX630</b>	23.5" x 10" (60 cm x 25 cm)		150 wipers/bag (2 packs of 75 wipers)	12 bags
<b>TX3210</b>	12" x 12" (31 cm x 31 cm) dry, SterileWipe™ HS II	●	100 wipers/bag (5 packs of 20 wipers)	5 bags
<b>STX4351</b>	9" x 11" (23 cm x 28 cm) dry, sterile	●	80 wipers/bag (4 packs of 20 wipers)	6 bags
<i>Pre-Wetted Wipers – TechniSat®</i>				
<b>TX1045</b>	6" x 8" (15 cm x 20 cm) pre-wetted with 70% IPA		100 wipers/reclosable bag	10 bags
<b>TX1068</b>	7" x 11" (18 cm x 28 cm) pre-wetted with 70% Ethanol		50 wipers/flexpack	20 flexpacks
<b>TX1048</b>	8" x 5" (20 cm x 13 cm) pre-wetted with 6% IPA		210 wipers/refill pack	12 refill packs & 1 tub
<b>TX1041</b>	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA		70 wipers/reclosable bag	12 bags
<b>TX1065</b>	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA		50 wipers/flexpack	20 flexpacks
<b>TX3214</b>	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA, sterile	●	50 wipers/flexpack	20 flexpacks
<b>TX3217</b>	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA, sterile	●	20 wipers/flexpack	24 flexpacks
<b>TX4380</b>	6" x 11" (15 cm x 28 cm) pre-wetted with 6% IPA		50 wipers/bag	9 bags
<b>STX4326</b>	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA, sterile	●	10 wipers/flexpack	40 flexpacks

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

## Description

TechniCloth<sup>®</sup> is made from 45% polyester / 55% cellulose nonwoven material with a cut edge, cleanroom manufactured. Available dry (TechniCloth<sup>®</sup>), pre-wetted (TechniSat<sup>®</sup>) 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), ethanol, 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.

## 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 45% polyester / 55% cellulose nonwoven creating a durable wiper ideal for spill control, cleaning, and solution application.
- Manufactured to provide low levels of particles and extractables creating a wiper suitable for general cleaning and wiping.
- Excellent chemical resistance for compatibility with a variety of solutions.
- Autoclave safe (dry wipers only).
- TechniSat<sup>®</sup> products are prewet with 0.2 µm filtered 70% IPA / 30% DIW or WFI, 6% IPA/ 94% DIW or 70% Denatured Ethanol / 30% DIW for ease of use.
- TechniSat<sup>®</sup> wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels.
- TechniSat<sup>®</sup> wipers are packaged in easy-to-use, reclosable slider bags, tubs, and peel-and-reseal bags reducing solution evaporation that preserves the consistent wiper wetness level.
- Meets USP <797> and USP <800> wiper requirements.
- Individually lot coded for ease of traceability and quality control.

## 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
- TX8488 – 1 year from date of manufacture
- Sterile (Dry & Pre-Wetted) – 3 years from date of manufacture

## TECHNICAL DATA SHEET

### Performance Characteristics

Property	Typical Value	Test Method*
<b>Particles and Fibers</b>		
LPC: $\geq 0.5 \mu\text{m}$	$72 \times 10^6$ particles/m <sup>2</sup>	1, TM22
Fibers: $> 100 \mu\text{m}$	55,000 fibers/m <sup>2</sup>	2, TM22
<b>Nonvolatile Residue</b>		
IPA extractant	0.01 g/m <sup>2</sup>	1, TM1
DIW extractant	0.03 g/m <sup>2</sup>	1, TM1
Ethanol extractant	0.01 g/m <sup>2</sup>	1, TM1
<b>Ions</b>		
Sodium	12 ppm	1, TM18
Potassium	1 ppm	1, TM18
Chloride	10 ppm	1, TM18

### Physical Characteristics

Property	Typical Value	Test Method*
<b>Absorbency</b>		
Sorptive capacity	360 mL/m <sup>2</sup>	1, TM20
Sorptive rate	$< 0.3$ seconds	1, TM20
<b>Basis Weight</b>	69 g/m <sup>2</sup>	1, TM20

Note: The data in this table represent typical analyses.

#### \*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.eu](http://www.texwipe.eu) or [texwipe@itw-cc.com](mailto:texwipe@itw-cc.com) for a copy.

#### For non-sterile products:

- TX1048, TX8488 – filled using Semiconductor grade IPA.
- TX1041, TX1045, TX1065, TX1067, TX4380 – filled using USP grade IPA.
- TX1068 – filled using USP grade Ethanol.

#### For sterile products:

- Irradiated to a Sterility Assurance Level of  $10^{-6}$  according to AAMI Guidelines.
- Certificates of Compliance, Analysis and Processing/Irradiation available for each lot.
- Sterile Validation Documentation available upon request.
- STX1041, TX3214, TX3217, STX4326 – filled using USP grade IPA.
- STX1068 – filled using USP grade Ethanol.
- STX4326 - contains WFI quality water

*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.*



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