

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*
Particles and Fibers LPC: ≥0.5 μm Fibers: >100 μm	72 x 10 ⁶ particles/m ² 55,000 fibers/m ²	1, TM22 2, TM22
Nonvolatile Residue IPA extractant DIW extractant Ethanol extractant	0.01 g/m ² 0.03 g/m ² 0.01 g/m ²	1, TM1 1, TM1 1, TM1
Ions Sodium Potassium Chloride	12 ppm 1 ppm 10 ppm	1, TM18 1, TM18 1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency Sorptive capacity Sorptive rate	360 mL/m ² <0.3 seconds	1, TM20 1, TM20
Basis Weight	69 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 Texwipe Customer Service at www.texwipe.com or info@texwipe.com for a copy.

Note: The data in this table represent typical analyses.

For non-sterile products:

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

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.
- STX1041, TX3214, TX3217 – filled using USP grade IPA.
- STX1068 – filled using USP grade Ethanol.

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.

TechniCloth[®]

Dry | Pre-Wetted | Sterile

TECHNICAL DATA SHEET



TechniCloth®
45% Polyester / 55% Cellulose

Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – TechniCloth®				
TX604	4" x 4" (10 cm x 10 cm) dry		1,200 wipers/bag (4 packs of 300 wipers)	10 bags
TX606	6" x 6" (15 cm x 15 cm) dry		600 wipers/bag (2 packs of 300 wipers)	10 bags
TX609	9" x 9" (23 cm x 23 cm) dry		300 wipers/bag	10 bags
STX609	9" x 9" (23 cm x 23 cm) dry, sterile	●	100 wiper/bag (4 packs of 25 wipers)	5 bags
TX612	12" x 12" (31 cm x 31 cm) dry		150 wipers/bag	10 bags
TX3210	12" x 12" (31 cm x 31 cm) dry, SterileWipe™ HS II	●	100 wipers/bag (5 packs of 20 wipers)	5 bags
Pre-Wetted Wipers – TechniSat®				
TX1045	6" x 8" (15 cm x 20 cm) pre-wetted with 70% IPA		100 wipers/canister	12 canisters
TX1067	7" x 11" (18 cm x 28 cm) pre-wetted with 70% IPA		200 wipers/reclosable bag	4 bags
TX1068	7" x 11" (18 cm x 28 cm) pre-wetted with 70% Ethanol		50 wipers/flexpack	20 flexpacks
STX1068	7" x 11" (18 cm x 28 cm) pre-wetted with 70% Ethanol, sterile	●	50 wipers/flexpack	20 flexpacks
TX1048	8" x 5" (20 cm x 13 cm) pre-wetted with 6% IPA		210 wipers/refill pack	12 refill packs & 1 tub
STX1041	8" x 5.5" (20 cm x 14 cm) pre-wetted with 70% IPA, sterile	●	50 wipers/reclosable bag	8 bags
TX1041	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA		70 wipers/reclosable bag	12 bags
TX1065	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA		50 wipers/flexpack	20 flexpacks
TX3214	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA, sterile	●	50 wipers/flexpack	20 flexpacks
TX3217	9" x 11" (23 cm x 28 cm) pre-wetted with 70% IPA, sterile	●	20 wipers/flexpack	24 flexpacks
TX8488	9" x 11" (23 cm x 28 cm) pre-wetted with 6% IPA		300 wipers/reclosable bag	3 bags

TECHNICAL DATA SHEET

Description

TechniCloth® is made from 45% polyester / 55% cellulose nonwoven material with a cut edge, cleanroom manufactured. Available dry (TechniCloth®), pre-wetted (TechniSat®) 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® products are prewet with 0.2 µm filtered 70% IPA / 30% DIW, 6% IPA/ 94% DIW or 70% Denatured Ethanol / 30% DIW for ease of use.
- TechniSat® wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels.
- TechniSat® wipers are packaged in easy-to-use, recloseable slider bags, flip-top canisters, 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
- Sterile (Dry & Pre-Wetted) – 3 years from date of manufacture

Custom products available upon request.