



An #TW Company

www.texwipe.eu

ThermaSealTM 60

Dry and Prewet Wipers



TECHNICAL DATA SHEET



ThermaSeal™ 60
100% polyester



Products

Number	Description	Sterile	Packaging	Case
Dry Wipers – ThermaSeal™ 60				
TX2064	4" x 4" (10 cm x 10 cm) dry		300 wipers/bag (2 inner bags of 150)	20 bags
TX2068B	7" x 8" (18 cm x 20 cm) dry, bulk packaged		200 wipers/bag	10 bags
TX2069	9" x 9" (23 cm x 23 cm) dry		150 wipers/bag (2 inner bags of 75)	10 bags
TX2069B	9" x 9" (23 cm x 23 cm) dry, bulk packaged		150 wipers/bag	10 bags
Pre-Wetted Wipers – ThermaSat™ 60				
STX4303	7" x 8" (18 cm x 20 cm) pre-wetted with 70% IPA / 30% WFI	●	15 wipers/bag (1 bag/VHP barrier bag)	20 bags
TX4304	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA / 30% DI		75 wipers/bag	4 bags
STX4305	9" x 9" (23 cm x 23 cm) pre-wetted with 70% IPA / 30% WFI	●	15 wipers/bag (1 bag/VHP barrier bag)	15 bags
STX4306	11" x 11" (28 cm x 28 cm) pre-wetted with 70% IPA / 30% WFI	●	20 wipers/bag	15 bags

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Description

ThermaSeal™ 60 is made from 100% polyester with a sealed edge, cleanroom laundered.

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.
- Lining trays for holding, protecting, drying and storing of parts, equipment and devices.
- Appropriate for use with temperatures less than 400°F (205°C) (dry wipers only!).

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 wiper ideal for spill control, cleaning, and solution application.
- Cleanroom laundering providing low levels of ions and NVRs (non-volatile residues) particles. (TX2064 & TX2069)
- 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.
- Autoclave safe (dry wipers only!).
- ThermaSeal® wipers are packaged in easy-to-open perforated bags.
- ThermaSat® products are prewet with 0.2 µm filtered 70% IPA / 30% DIW or 30% WFI for ease of use.
- ThermaSat® wipers provide consistent, optimized cleaning efficiency with repeatable wetness and VOC levels.
- ThermaSat® wipers come in reclosable slider bags and peel-and-reseal bags reducing solution evaporation that preserves the consistent wiper wetness level.
- For aseptic manufacturing inside RABS and isolators, ThermaSat® wipers also come in an additional VHP barrier foil bag providing protection for the product during the VHP sanitizing process.
- Meets USP <797> and USP <800> wiper requirements.
- Individually lot coded for ease of traceability and quality control.

Cleanroom Environment

- ISO Class 3 – 7
- Class 1 – 10,000
- EU Grade A – D

Custom products available upon request.

TECHNICAL DATA SHEET

Performance Characteristics

Property	Typical Value	Test Method*
Particles and Fibers		
Particles: 0.5-5.0 µm	19 x 10 ⁶ particles/m ²	1, TM20
5.0-100 µm	79,000 particles/m ²	1, TM20
LPC: ≥0.5 µm	3.5 x 10 ⁶ particles/m ²	1, TM22
Fibers: >100 µm	600 fibers/m ²	2, TM22
Nonvolatile Residue		
IPA extractant	0.03 g/m ²	1, TM1
DIW extractant	0.01 g/m ²	1, TM1
Ions		
Sodium	0.3 ppm	1, TM18
Potassium	0.12 ppm	1, TM18
Chloride	0.06 ppm	1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency		
Sorptive capacity	350 mL/m ²	1, TM20
Sorptive rate	0.5 second	1, TM20
Basis Weight	122 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.eu or info@texwipe.com for a copy.

Note: The data in this table represent typical analyses.

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.