



An *ITW* Company

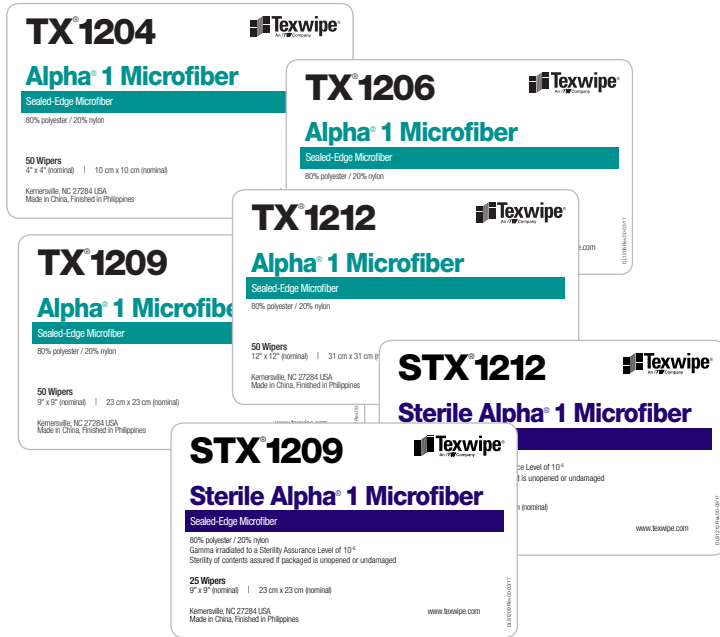
www.texwipe.com

Alpha[®]1 Microfiber

Dry | Sterile



TECHNICAL DATA SHEET



Alpha® 1 Microfiber
 80% Polyester / 20% Nylon

Products

Number	Description	Sterile	Packaging	Case
<i>Dry Wipers – Alpha® 1 Microfiber</i>				
TX1204	4" x 4" (10 cm x 10 cm) dry		100 wipers/bag (2 bags of 50 wipers)	20 bags
TX1206	6" x 6" (15 cm x 15 cm) dry		100 wipers/bag (2 bags of 50 wipers)	20 bags
TX1209	9" x 9" (23 cm x 23 cm) dry		100 wipers/bag (2 bags of 50 wipers)	10 bags
STX1209	9" x 9" (23 cm x 23 cm) dry, sterile	●	100 wipers/bag (4 bags of 25 wipers)	5 bags
TX1212	12" x 12" (31 cm x 31 cm) dry		100 wipers/bag (2 bags of 50 wipers)	10 bags
STX1212	12" x 12" (31 cm x 31 cm) dry, sterile	●	100 wipers/bag (4 bags of 25 wipers)	5 bags

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

Description

Alpha® 1 Microfiber is made from 80% polyester / 20% nylon material with a sealed edge, cleanroom manufactured.

Available dry (Alpha® 1 Microfiber) and sterile.

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), acetone, and degreasers.
- 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

- Alpha® 1 Microfiber offers increased lifting and capturing of particles as small as microbes.
- Quick wicking performance, ideal for streak-free cleaning and spill control.
- Ideal for wiping surfaces susceptible to scratching.
- Unique microfiber construction allows the removal of oils and fingerprints.
- Manufactured to provide low levels of particles and extractables creating a wiper suitable for critical cleaning and wiping.
- Meets USP <797> and USP <800> wiper requirements.
- Autoclave safe.
- Individually lot coded for ease of traceability and quality control.

Cleanroom Environment

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

Shelf Life

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

Custom products available upon request.

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	10.1 x 10 ⁶ particles/m ² 780 fibers/m ²	1, TM22 2, TM22
Nonvolatile Residue IPA extractant DIW extractant Ethanol extractant	0.20 g/m ² 0.08 g/m ² 0.01 g/m ²	1, TM1 1, TM1 1, TM1
Ions Sodium Potassium Chloride	0.20 ppm 0.02 ppm 0.10 ppm	1, TM18 1, TM18 1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency Sorptive capacity Sorptive rate	320 mL/m ² <0.3 second	1, TM20 1, TM20
Basis Weight	185 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 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.

Texwipe holds ISO 9001 registration.

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

Shipping classification based on weight of inner package.