



An *TW* Company

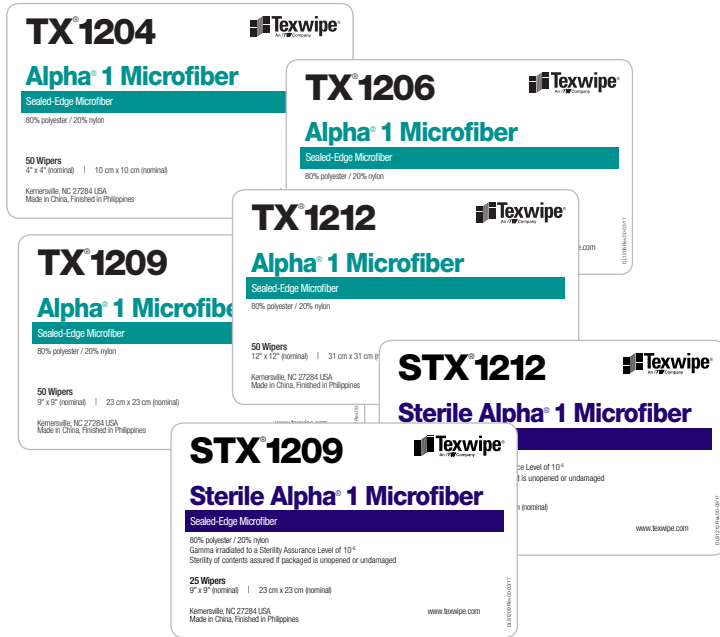
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Alpha[®] 1 Microfiber

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)	20 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: $\geq 0.5 \mu\text{m}$ Fibers: $> 100 \mu\text{m}$	9 x 10 ⁶ particles/m ² 320 fibers/m ²	1, TM22 2, TM22
Nonvolatile Residue IPA extractant DIW extractant Ethanol extractant	0.07 g/m ² 0.01 g/m ² 0.01 g/m ²	1, TM1 1, TM1 1, TM1
Ions Sodium Potassium Chloride	0.30 ppm 0.80 ppm 0.10 ppm	1, TM18 1, TM18 1, TM18

Physical Characteristics

Property	Typical Value	Test Method*
Absorbency Sorptive capacity Sorptive rate	350 mL/m ² <0.3 second	1, TM20 1, TM20
Basis Weight	190 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 and ISO 14001 registrations.

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

Shipping classification based on weight of inner package.