



An *TW* Company

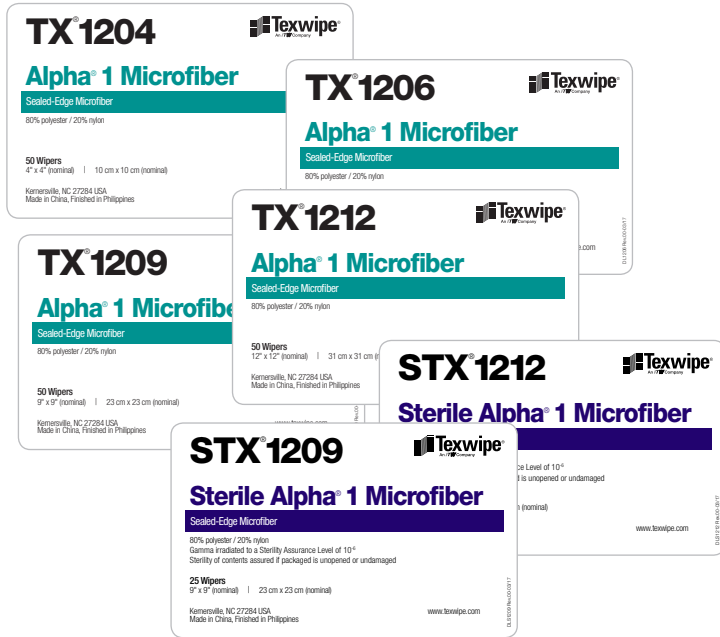
[www.texwipe.com](http://www.texwipe.com)

# Alpha<sup>®</sup> 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>				
<b>TX1204</b>	4" x 4" (10 cm x 10 cm) dry		100 wipers/bag (2 bags of 50 wipers)	20 bags
<b>TX1206</b>	6" x 6" (15 cm x 15 cm) dry		100 wipers/bag (2 bags of 50 wipers)	20 bags
<b>TX1209</b>	9" x 9" (23 cm x 23 cm) dry		100 wipers/bag (2 bags of 50 wipers)	20 bags
<b>STX1209</b>	9" x 9" (23 cm x 23 cm) dry, sterile	●	100 wipers/bag (4 bags of 25 wipers)	5 bags
<b>TX1212</b>	12" x 12" (31 cm x 31 cm) dry		100 wipers/bag (2 bags of 50 wipers)	10 bags
<b>STX1212</b>	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*
<b>Particles and Fibers</b> LPC: $\geq 0.5 \mu\text{m}$ Fibers: $> 100 \mu\text{m}$	9 x 10 <sup>6</sup> particles/m <sup>2</sup> 320 fibers/m <sup>2</sup>	1, TM22 2, TM22
<b>Nonvolatile Residue</b> IPA extractant DIW extractant Ethanol extractant	0.07 g/m <sup>2</sup> 0.01 g/m <sup>2</sup> 0.01 g/m <sup>2</sup>	1, TM1 1, TM1 1, TM1
<b>Ions</b> 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*
<b>Absorbency</b> Sorptive capacity Sorptive rate	350 mL/m <sup>2</sup> <0.3 second	1, TM20 1, TM20
<b>Basis Weight</b>	190 g/m <sup>2</sup>	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](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.com](http://www.texwipe.com) or [info@texwipe.com](mailto: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<sup>-6</sup> 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.*