

AlphaWipe® Wipers

Highly adsorbent polyester wiper for critical environments



Description

AlphaWipe® is constructed from 100% continuous-filament polyester in a double-knit, no-run interlock pattern. Cleanroom laundered and packaged, AlphaWipe® is an ultraclean and highly sorbent wiper ideal for critical environments. AlphaWipe® has a laundered cut edge. It exhibits lower particle and fiber levels than competitive hot-cut or laser-cut products.

AlphaWipe® is also available pre-wetted in several CleanPaks®. Solutions can be customized to your specifications.

Features

- 100% synthetic fiber (continuous-filament, double-knit polyester)
- Cleanroom laundered and packaged
- Solvent-safe Bag-Within-A-Bag® cleanroom packaging
- Statistical quality control
- Variety of sizes and packaging options

Benefits

- Prevents cleanroom contamination with ultralow levels of particles and extractables
- Resists abrasion under rigorous use or when wiping rough surfaces
- Lot-to-lot traceability

Applications

- Superior for spill control and general wiping in ISO Class 5 and 6 environments such as integrated circuit fabrication facilities
- Cleaning and polishing the interior of stainless steel tubing

Products

TX Number	Dry Wipers	Packaging
TX1003	AlphaWipe® 11" x 12" nominal (28 cm x 31 cm) polyester wipers	250 wipers/bag, 2 inner bags of 125 random packed wipers; 6 bags/case
TX1004	AlphaWipe® 4" x 4" nominal (10 cm x 10 cm) polyester wipers	300 wipers/bag, 2 inner bags of 150 wipers; 20 bags/case
TX1009	AlphaWipe® 9" x 9" nominal (23 cm x 23 cm) polyester wipers	150 wipers/bag, 2 inner bags of 75 wipers; 10 bags/case
TX1009B	AlphaWipe® 9" x 9" nominal (23 cm x 23 cm) polyester wipers	150 wipers/bulk packed, 2 inner bags of 75 wipers; 10 bags/case
TX1013	AlphaWipe® 12" x 12" nominal (31 cm x 31 cm) polyester wipers	75 wipers/bag, double bagged; 10 bags/case
CleanPaks		
TX1034	AlphaSat® 4" x 4" nominal (10 cm x 10 cm) Pre-wetted with 70% IPA	200 wipers/bucket; 4 buckets/case
TX1036	AlphaSat® 6" x 6" nominal (15 cm x 15 cm) Pre-wetted with 70% IPA	75 wipers/flip-top tub; 12 tubs/case
TX1039	AlphaSat® 9" x 9" nominal (23 cm x 23 cm) Pre-wetted with 70% IPA	50 wipers/bucket; 4 buckets/case

ITW Texwipe®

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AlphaWipe® Wipers

TX1003 TX1004 TX1009 TX1009B TX1013

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	163 g/m ²	1, TM2
Absorbency		
Sorptive capacity	472 mL/m ²	1, TM3
Sorptive rate	0.5 seconds	1, TM3

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5-5.0 µm	10 x 10 ⁶ particles/m ²	1, 2, TM15
5.0-100 µm	144,000 particles/m ²	1, 2, TM15
Fibers: >100 µm	5,700 fibers/m ²	1, 2, TM15
Nonvolatile residue		
IPA extractant	0.07 g/m ²	1, TM1
DIW extractant	0.03 g/m ²	1, TM1
Ions		
Sodium	0.22 ppm	1, TM18
Potassium	0.09 ppm	1, TM18
Chloride	0.08 ppm	1, TM18

Note: The data in this table represent typical analyses of these wipers at the time of publication. These are not specifications. ITW Texwipe continually refines both its processes and its products.

*Test Methods

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC 004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL 2004; www.iest.org.
 - 2 – “Standard Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy,” E2090-00, ASTM International, West Conshohocken, PA, 2000; www.astm.org.
- TM – Refers to ITW Texwipe Test Method — available upon request, contact ITW Texwipe Customer Service at www.texwipe.com for a copy.