

SterileWipe™ AS 10

High-sorbency sealed-border wiper for critical sterile environments



Applications

- Engineered for high-sorbency use in the most critical sterile cleanroom environments
- Designed for sterile wiping of environmental surfaces and production equipment in aseptic fill areas
- Ideal for applying large volumes of cleaning, sterilizing and disinfecting solutions

Description

SterileWipe™ AS10 is a two-ply, double-knit construction, 100% continuous-filament polyester wiper that offers high sorbency in a sealed-border wiper to prevent particle and fiber release. Each package is gamma-irradiated to 10⁻⁶ Sterility Assurance Level.

SterileWipe™ AS10 represents the state of the art in wiper technology and provides premium performance in critical sterile environments such as pharmaceutical aseptic fill areas, biotechnology manufacturing facilities, microbiological laboratories, sterile suites and prep rooms.

Features

- Gamma irradiated to 10⁻⁶ Sterility Assurance Level, according to AAMI Guidelines
- Lot specified information on each shipment simplifies record keeping:
 - Certificate of Processing confirming radiation dosage
 - Certification of Compliance
 - Expiration date marked on each package
- Cleanroom-laundered 100% polyester knit with thermally sealed borders
- Large surface area with excellent sorbency
- Independent quality control audits for sterility assurance

Benefits

- Withstands exposure to common cleaning and disinfecting solutions including bleaches, phenols and quaternary ammonium compounds
- Large wiper size and liquid capacity simplify the application of large volumes of cleaning and disinfecting solutions
- Extremely low levels of releasable particles and fibers consistent with requirements for sterile Class 100 environments
- Packaging permits alcohol wipedown of exterior bag before introduction of the inner bag into sterile suites
- Superior strength allows for rigorous wiping with minimal release of fibers and particles
- Wiper glides smoothly over surfaces
- Assures quality of individual lots and lot-to-lot traceability

Products

Number	Description	Packaging
TX3215	SterileWipe™ AS 10 12" x 12" nominal (31 cm x 31 cm) two-ply, double-knit polyester wipers with thermally sealed edges	100 wipers/bag 5 inner bags of 20 wipers; 5 bags/case



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SterileWipe™ AS 10

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	195 g/m ²	1, TM20
Absorbency		
Sorptive capacity	595 mL/m ²	1, TM20
Sorptive rate	0.3 seconds	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5-5.0 µm	6 x 10 ⁶ particles/m ²	1, 2, TM15
5.0-100 µm	315,000 particles/m ²	1, 2, TM15
Fibers: >100 µm	230 fibers/m ²	1, 2, TM15
Nonvolatile residue		
IPA extractant	0.09 g/m ²	1, TM1
DIW extractant	0.05 g/m ²	1, TM1

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.

ITW Texwipe is the only wiper company to be ISO 9001:2000, 13485:2003, 14001:2004 and OHSAS 18001:1999 registered.