

AlphaSorb® HC Wipers

Large, high-capacity two-ply polyester wiper



Description

AlphaSorb® HC is a cleanroom laundered, two-ply, 100% polyester wiper constructed from continuous-filament polyester knitted in a double-knit interlock pattern. Developed specifically for the pharmaceutical industry and other critical environments, AlphaSorb® HC offers high sorbency capacity coupled with low particle and extractable levels.

Features

- Cleanroom-laundered 100% synthetic knit (continuous-filament, double-knit polyester)
- Unique two-ply construction
- Large surface area with excellent sorbency
- SolventSafe Bag-Within-A-Bag® cleanroom packaging
- Laundered and packaged at ITW Texwipe's Cleanroom Products Manufacturing Center
- Autoclavable

Benefits

- Protects cleanroom environment with low levels of releasable particles and fibers
- Polyester fabric withstands exposure to commonly used cleaning and disinfecting solutions such as bleaches, phenols and quaternary ammonium compounds
- Large wiper size and liquid capacity simplify the application of large volumes of cleaning and disinfecting solutions
- Superior strength allows for rigorous wiping with minimal release of fibers and particles
- Wiper glides smoothly over surfaces and does not snag
- Lot-to-lot traceability

Applications

- Applications requiring both cleanliness and high sorbency
- Cleaning surfaces and production equipment in Class 100–1,000 environments
- Applying and removing large volumes of cleaning, sterilizing and disinfecting solutions
- Spill control

Products

TX Number	Description	Packaging
TX2412	AlphaSorb® HC 12" x 12" nominal (31 cm x 31 cm) two-ply polyester wipers	100 wipers/bag, 2 inner bags of 50 wipers; 6 bags/case
TX2418	AlphaSorb® HC 18" x 18" nominal (46 cm x 46 cm) two-ply polyester wipers	100 wipers/bag, 2 inner bags of 50 wipers; 3 bags/case

ITW Texwipe®

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AlphaSorb® HC Wipers

TX2412 TX2418

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	240 g/m ²	TM2: The Determination of Basis Weight
Absorbency		
Sorptive capacity	680 mL/m ²	TM3: Absorbency and Rate of Absorbency of Wipers
Sorptive rate	1 second	TM3: Absorbency and Rate of Absorbency of Wipers

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5–5.0 µm	45 x 10 ⁶ particles/m ^{2***†}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
5.0–100 µm	900,000 particles/m ^{2***†}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
Fibers	1,400 fibers/m ^{2***†}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
Nonvolatile residue		
IPA extractant	0.09 g/m ²	TM1: Matter Extractable from Wipers and Other Materials
DIW extractant	0.02 g/m ²	TM1: Matter Extractable from Wipers and Other Materials
Ions		
Sodium	0.10 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique
Potassium	0.25 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique
Chloride	0.09 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique

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

*Texwipe test procedures available upon request. ASTM procedure available for purchase at www.astm.org.

**ASTM E 2090 provides a more sensitive test and a more complete measurement of particles and fibers than other standard test methods.

†12" x 12" wipers tested.