

T E C H N I C A L D A T A S H E E T



High sorbency combined with low particle and extractable levels

Description

AlphaSorb® HC (High Capacity) is a 2-ply, 100% polyester wiper. This cleanroom-laundered wiper line offers high sorbency capacity with low particle and extractable levels. Autoclavable.

AlphaSorb® HC was developed specifically for the pharmaceutical industry but has applications in other critical environment settings. Ideal for spill control and large volume cleaning, sterilizing and disinfecting.

Available in 9", 12" and 18" square sizes.

Applications

- ▶ ISO Classes 1-4
- ▶ Large volume cleaning, sterilizing and disinfecting (application and removal of solutions)
- ▶ Spill control
- ▶ Cleaning surfaces and production equipment
- ▶ Any areas needing a combination of high sorbency and low particles

Features

- ▶ 100% polyester synthetic knit, cleanroom-laundered, double-knit with a unique two-ply construction
- ▶ Excellent sorbency
- ▶ Low levels of particles and extractables
- ▶ Autoclavable
- ▶ Solvent-safe cleanroom packaging
- ▶ Made in the USA
- ▶ Lot-to-lot traceability

Benefits

- ▶ Withstands exposure to common cleaning and disinfecting solutions such as bleaches, phenols and quaternary ammonium compounds
- ▶ Simplifies the application of large volumes of cleaning and disinfecting solutions through high sorbency and large wiper size (12" and 18")
- ▶ Fabric's strength ideal for rigorous wiping with minimal fiber and particle release
- ▶ Does not snag and glides smoothly over surfaces

Products

Number	Description	Packaging
TX2409	AlphaSorb® HC 9" x 9" nominal (22 cm x 22 cm) two-ply polyester wipers	100 wipers/bag, 2 inner bags of 50 wipers; 10 bags/case
TX2412	AlphaSorb® HC 12" x 12" (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" (46 cm x 46 cm) two-ply polyester wipers	100 wipers/bag, 2 inner bags of 50 wipers; 3 bags/case

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Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	214 g/m ²	1, TM20
Absorbency		
Sorptive capacity	680 mL/m ²	1, TM20
Sorptive rate	<1 second	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
>0.5 µm	8.2 x 10 ⁶ particles/m ²	1, TM22
Particles and fibers		
Particles 0.5-5.0 µm	2.5 x 10 ⁶ particles/m ²	1,2, TM22
5.0-100 µm	95,000 particles/m ²	1,2, TM22
Fibers: >100 µm	500 fibers/m ²	1,2, TM22
Nonvolatile residue		
IPA extractant	0.02 g/m ²	1, TM1
DIW extractant	0.01 g/m ²	1, TM1
Ions		
Sodium	0.05 ppm	1, TM18
Potassium	0.07 ppm	1, TM18
Chloride	0.02 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.

Texwipe Regulatory Certificates

Texwipe is the only wiper company to be registered: ISO 9001 • ISO 13485 • ISO 14001 • OHSAS 18001