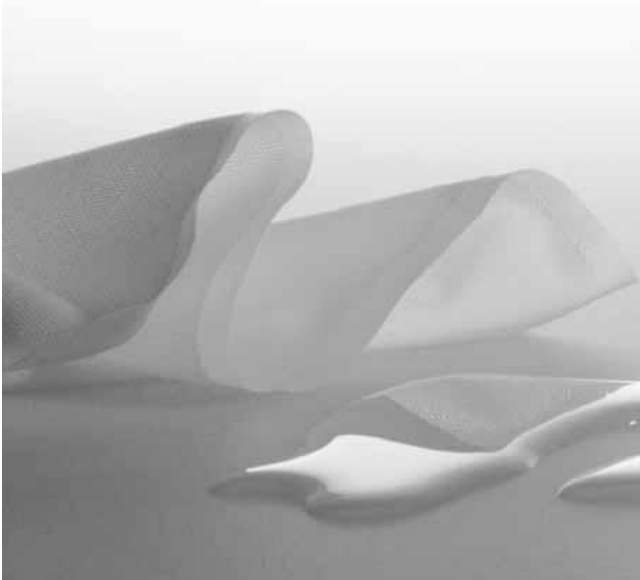


WILLBURGER GmbH Kreativität & Handel
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Vectra® Alpha® 10 Wipers

Vectra® Process premium polyester sealed-border wipers



Description

Vectra® Alpha® 10 represents the state of the art in wiper technology and provides maximum performance in critical cleanroom environments. Our proprietary Vectra® Process cleans the wipers more efficiently than any cleanroom laundry. The patented* sealed-border technology produces four fully sealed borders to prevent the release of fibers and particles. The fabric is a no-run interlock, double-knit from 100% continuous-filament polyester. Alpha® 10 wipers are also available pre-wetted in CleanPaks®. It combines the Alpha® 10 wipers with semiconductor-grade isopropyl alcohol in convenient, reclosable slider bags.

Benefits

- Assures cleanliness with ultralow levels of ions and extractables
- Resists abrasion under rigorous use or when wiping rough surfaces
- Helps prevent product and cleanroom contamination by minimizing fiber and particle release
- Complete traceability of each bag

Applications

- Designed for use in ISO Class 3–5 cleanroom environments
- Ideal for wiping interior of process tools and other equipment
- Superior for general wiping in environments where contamination control is of paramount importance
- The best wiper for multiple applications

Features

- Excellent balance of wiping efficiency, abrasion resistance and absorbency
- Fully sealed border to prevent fiber release
- Vectra® Process for the cleanest, most consistent wipers
- 100% continuous-filament, double-knit polyester
- Solvent-safe Bag-Within-A-Bag® cleanroom packaging
- Statistical quality control/Six Sigma Quality Assurance

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Products

TX Number	Dry Wipers	Packaging
TX1010	Vectra® Alpha® 10 9" x 9" nominal (23 cm x 23 cm) double-knit polyester, sealed-border wipers	100 wipers/bag 2 inner bags of 50; 10 bags/case
TX1012	Alpha® 10† 12" x 12" nominal (31 cm x 31 cm) double-knit polyester, sealed-border wipers	100 wipers/bag, double bagged; 10 bags/case
	CleanPaks	
TX8410	AlphaSat® with Vectra® Alpha® 10 9" x 9" nominal (23 cm x 23 cm) wipers pre-wetted with 100%IPA	50 wipers/ reclosable bag 12 bags/case

Vectra® Alpha® 10 Wipers TX1010 TX1046 TX8410

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	130 g/m ²	1, TM20
Absorbency		
Sorptive capacity	320 mL/m ²	1, TM20
Sorptive rate	0.5 seconds	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5–5.0 µm	2.7 x 10 ⁶ particles/m ²	1, 2
5.0–100 µm	104,000 particles/m ²	1, 2
Fibers >100 µm	200 fibers/m ²	1, 2
Nonvolatile residue		
IPA extractant	0.05 g/m ²	1, TM1
DIW extractant	0.02 g/m ²	1, TM1
Ions		
Sodium	0.2 ppm	1, TM18
Potassium	0.08 ppm	1, TM18
Chloride	0.05 ppm	1, TM18

*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.