

Vectra® Alpha® 10 LT Wipers

Vectra® Process premium polyester sealed-border wipers



Description

Vectra® Alpha® 10 LT represents the state of the art in wiper technology and provides maximum performance in critical cleanroom environments.

ITW Texwipe's proprietary Vectra® Process cleans the wipers more efficiently than any cleanroom laundry. ITW Texwipe's 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 LT polyester.

Features

- No Titanium Dioxide (TiO₂) added during manufacturing
- 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

Benefits

- Low TiO₂ wiper allows for increased yield
- No adverse reaction when used with IPA solutions
- 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, chamber cleaning, and other equipment
- Superior for general wiping in environments where contamination control is of paramount importance
- The best wiper for multiple applications in semiconductor fabs

Products

Number	Dry Wipers	Packaging
TX8659	Alpha® 10 LT 9" x 9" nominal (23 cm x 23 cm) double-knit polyester, sealed-border wipers	150 wipers/bag, 2 inner bags of 75; 10 bags/case



North America
1210 South Park Drive
Kernersville, NC 27284
Tel 336.996.7046
www.texwipe.com
info@texwipe.com

Europe/Middle East
Saffierlaan 5
2132 VZ Hoofddorp
The Netherlands
Tel +31 88 1307 400

Asia/Pacific
50 Tagore Lane
#02-01 Entrepreneur Centre
Singapore 787494
Tel +65 6468 9433

Vectra® Alpha® 10 LT Wipers

TX8659

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	130 g/m ²	1,TM20
Absorbency		
Sorpative capacity	300 mL/m ²	1,TM20
Sorpative rate	0.5 seconds	1,TM20

Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥0.5 µm	2.6 x 10 ⁶ particles/m ²	1,TM22
≥0.2 µm	94 x 10 ⁶ particles/m ²	1,TM22
Particles and fibers		
Particles 0.5–5.0 µm	1.7 x 10 ⁶ particles/m ²	1,2,TM22
5.0–100 µm	37,000 particles/m ²	1,2,TM22
Fibers >100 µm	100 fibers/m ²	1,2,TM22
Nonvolatile residue		
IPA extractant	0.02 g/m ²	1,TM1
DIW extractant	0.003 g/m ²	1,TM1
Ions		
Sodium	0.04 ppm	1,TM18
Potassium	0.04 ppm	1,TM18
Chloride	0.009 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.

*TestMethods

- 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.