



**The Next Level of Clean™**

## Vertex®

### Sterile Microdenier Wipers

TX3052 and TX3059 are 100% polyester double-knit microdenier wipers made in the USA by Texwipe's revolutionary Vertex® process, a hands-free wiper cleaning system. Vertex® wipers are the cleanest, most consistent and most rigorously quality tested cleanroom wiper.

The microdenier yarn has four times the number of filaments and twice the surface area in the yarn bundle compared to standard polyester wipers which increases wiping efficiency and creates the soft hand that is so uniquely characteristic of this microdenier wiper. It does not leave behind a barrier layer and is able to capture more particles within the fiber bundle.

Quarterly Agar Overlay and LAL testing assures that wipers do not contribute cytotoxic leachables and are nonpyrogenic.

#### Features

- » Microdenier yarn
- » Very tight, stable fabric construction
- » Gamma irradiated in accordance with ANSI/AAMI/ISO 11137
- » Certificates of Processing and Compliance are attached to each case
- » Quarterly microbial testing by Agarose Overlay and Limulus Amebocyte Lysate (LAL) endotoxin testing
- » Increased surface area of microdenier yarn

#### Benefits

- » Removes disinfectant residue more effectively than standard knit wipers
- » Provides less chance of catching on surface and breaking yard filaments
- » Meets Sterility Assurance Level of  $10^{-6}$
- » Confirms radiation dose met specified dose at time of receiving
- » Meets FDA Guideline for medical device bacterial endotoxin limit of not more than 20 EU/device
- » Ability to contact surface irregularities
- » Demonstrated ability to capture microbial contamination (98% bacterial contamination reduction demonstrated)<sup>1,2</sup>

1. Wren, M.W.D., Rollins, M.S.M., Jeans, A. Hall, T.J., Coën, Gant, V.A., (2008). Removing bacteria from hospital surfaces: a laboratory comparison of ultramicrofibre and standard cloths. *Journal of Hospital Infection* 70, 265 – 271.

2. Environmental Protection Agency. (2002). Using Microfiber Mops in Hospitals [Fact sheet]. Retrieved from <http://www.epa.gov/region9/waste/p2/projects/hospital/mops.pdf>

#### Products

Number	Dry Wipers	Packaging
<b>TX3052</b>	Vertex® 12" x 12" nominal (31 cm x 31 cm) sealed-edge microdenier wipers, triple-bagged	100 wipers/bag (5 inner bags of 20 wipers), 5 bags/case
<b>TX3059</b>	Vertex® 9" x 9" nominal (23 cm x 23 cm) sealed-edge microdenier wipers, triple-bagged	100 wipers/bag (5 inner bags of 20 wipers), 5 bags/case

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



**Texwipe®**  
An ITW Company

For more information contact us at the numbers below or [www.texwipe.com](http://www.texwipe.com)

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# Vertex® Dry Wipers

## Performance and Contamination Characteristics

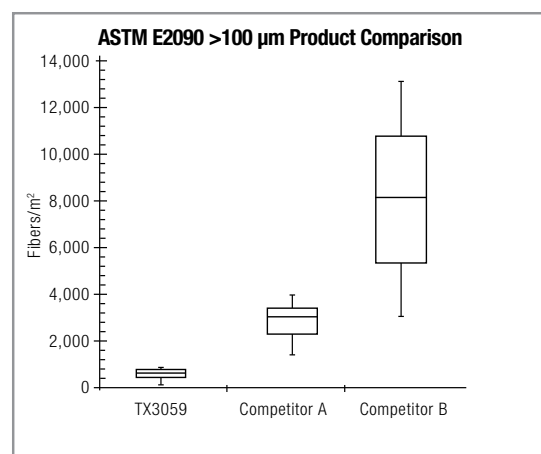
Property	Typical Value	Test Method*	Property	Typical Value	Test Method*
Absorbency			LPC		
Sorptive capacity	350 mL/m <sup>2</sup>	1, TM20	≥0.5 µm	15.0 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM22
Sorptive rate	0.3 seconds	1, TM20	Particles and fibers		
			Particles 0.5–5.0 µm	4.8 x 10 <sup>6</sup> particles/m <sup>2</sup>	1,2, TM22
			5.0–100 µm	130,000 particles/m <sup>2</sup>	1,2, TM22
			Fibers >100 µm	520 fibers/m <sup>2</sup>	1,2, TM22
			Nonvolatile residue		
			IPA extractant	0.07 g/m <sup>2</sup>	1, TM1
			DIW extractant	0.01 g/m <sup>2</sup>	1, TM1

**Note:** The data in these tables represent typical analyses of these wipers at the time of publication. These are not specifications.

### \*Test Methods

- 1 – IEST-RP-CC004.3, 2004; [www.iest.org](http://www.iest.org).
  - 2 – ASTM E2090-06, 2006; E2090-06, ASTM International; [www.astm.org](http://www.astm.org).
- TM – Texwipe Test Method available upon request. Visit [www.texwipe.com](http://www.texwipe.com) or contact Texwipe Customer Service at +1-336-996-7046.

## Wiper Consistency Data



The components of a Consistency Chart are:

- » Line – represents the median or middle value of a ranked data set.
- » Box – represents the range of values in which fifty percent of the data lie.
- » Whisker – the line at each end of the box, expresses a range of values in which twenty-five percent of the data set lie.
- » Outlier – indicates points that are significantly different than the rest of the data set.

**Lower medians, smaller boxes and shorter whiskers together indicate cleaner and more consistent wipers.**

