



The Next Level of Clean™

Vertex™ Microdenier Wipers

TX59 is a 100% polyester double-knit microdenier wiper Made in the USA by Texwipe's revolutionary Vertex™ process, a hands-free wiper cleaning system. Vertex™ wipers are the cleanest, most consistent and rigorously quality tested cleanroom wiper.

The TX59 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. TX59 does not leave behind a barrier layer and is able to capture more particles within the fiber bundle.

TX59 Microdenier Wiper is ideal for wiping surfaces that are most susceptible to scratching.

Features

- » Very tight, stable fabric construction
- » Very soft hand to wiper
- » 100% Polyester continuous filament yarn
- » Quarterly microbial testing by Agarose Overlay and Limulus Amebocyte Lysate (LAL) endotoxin testing
- » Increased surface area of microdenier yarn

Benefits

- » Tight fabric provides less chance of catching on a surface and breaking yarn filaments in contrast with many microdenier fabrics with a loose construction
- » Ideal for use on surfaces that are sensitive to scratching
- » No cross contamination from nylon and can be used with bleach-based cleaners
- » Provides assurance that the wiper does not carry cytotoxic leachables and is nonpyrogenic
- » Ability to contact surface irregularities
- » Demonstrated ability to capture microbial contamination (98% bacterial contamination reduction demonstrated)^{1,2}

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
TX59	Vertex™ 9" x 9" nominal (23 cm x 23 cm) sealed-edge microdenier wipers	100 wipers/bag, 10 bags/case

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



For more information contact us at the numbers below or www.texwipe.com

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Vertex™ Dry Wipers

Performance and Contamination Characteristics

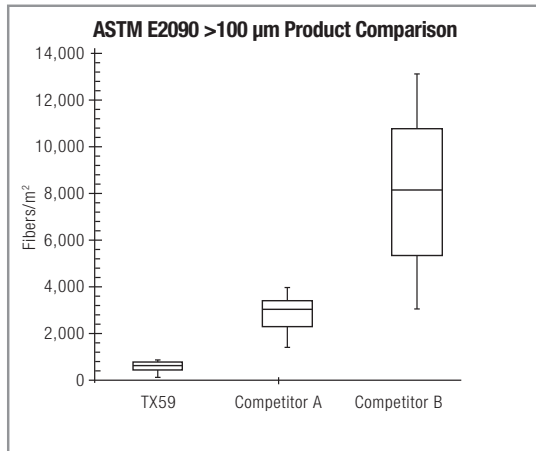
Property	Typical Value	Test Method*	Property	Typical Value	Test Method*
Absorbency			Ions		
Sorptive capacity	350 mL/m ²	1, TM20	Fluoride	ND	1, TM18
Sorptive rate	0.3 seconds	1, TM20	Chloride	<0.10 ppm	1, TM18
LPC			Bromide	ND	1, TM18
≥0.5 μm	15.0 x 10 ⁶ particles/m ²	1, TM22	Sulfate	<0.12 ppm	1, TM18
Particles and fibers			Phosphate	<0.24 ppm	1, TM18
Particles 0.5–5.0 μm	4.8 x 10 ⁶ particles/m ²	1, 2, TM22	Lithium	ND	1, TM18
5.0–100 μm	130,000 particles/m ²	1, 2, TM22	Sodium	<0.30 ppm	1, TM18
Fibers >100 μm	520 fibers/m ²	1, 2, TM22	Potassium	<0.08 ppm	1, TM18
Nonvolatile residue			Ammonium	ND	1, TM18
IPA extractant	0.07 g/m ²	1, TM1	Calcium	<0.40 ppm	1, TM18
DIW extractant	0.01 g/m ²	1, TM1	Magnesium	<0.04 ppm	1, TM18

Note: The data in these tables represent typical analyses of these wipers at the time of publication. These are not specifications. Values are reported in ppm (parts per million). Detection limit <0.009 ppm. Quantification limit of 0.009 ppm.

***Test Methods**

- 1 – IEST-RP-CC004.3, 2004; www.iest.org.
- 2 – ASTM E2090-06, 2006; E2090-06, ASTM International; www.astm.org.
- TM – Texwipe Test Method available upon request. Visit 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.

