

# Microfiber ThermaSeal™

Super soft wiper with enhanced absorbency



## Description

Microfiber ThermaSeal™ is constructed from a continuous filament microdenier polyester; super soft material resulting in enhanced absorbency and contamination pickup. The wiper is knit from a no-run, no-stretch fabric to minimize particles. Cleanroom laundered and packaged, Microfiber ThermaSeal is available in configurations to meet ISO Class 4 and above applications.

## Features

- Unique fiber construction improves particle and organic pick up from glass, plastic, metal, ceramic and metal-to-metal surfaces
- Extremely low particles, extractables and ions for this type of material
- No-stretch knit construction leads to less particle generation and increased edge integrity during wiping

## Benefits

- Wiper is silicone and amide free
- Product is made in our ISO 9001:2000 certified plant
- Lot to lot traceability and lab test data available for all production lots

## Applications

- Ideal for cleaning scratch sensitive surfaces
- Superior for work surfaces of process material, flat panel display, liquid crystal display, wafer substrates and glass cleaning
- Excellent general-purpose cleanroom wiper for semiconductor, medical device and hard disk drive manufacturers

## Products

TX Number		Packaging
<b>TX8663</b>	9" x 9" (23 cm x 23 cm)	10 wipers/inner bag 5 inner bags/outer bag; 10 outer bags/case
<b>TX8686</b>	6" x 6" (15 cm x 15 cm)	20 wipers/inner bag 5 inner bags/outer bag; 20 outer bags/case
<b>TX8656</b>	4" x 4" (10 cm x 10 cm)	20 wipers/inner bag 5 inner bags/outer bag; 20 outer bags/case



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# Microfiber ThermaSeal™

TX8663 TX8686 TX8656

## Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	200 – 230 g/m <sup>2</sup>	1, TM2
Absorbency		
Sorptive capacity	>300 mL/m <sup>2</sup>	1, TM3
Sorptive rate	4.1 seconds	1, TM3

## Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles ≥ 0.5 µm	<5.0 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM5 (LPC)
Fibers >100 µm	<3,500 fibers/m <sup>2</sup>	1, TM7
Nonvolatile residue		
IPA extractant	< 0.60 g/m <sup>2</sup>	1, TM1
DIW extractant	< 0.20 g/m <sup>2</sup>	1, TM1
Ions		
Sodium	< 0.50 ppm	1, TM18
Potassium	< 0.50 ppm	1, TM18
Chloride	< 0.50 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](http://www.iest.org).
- TM – Refers to ITW Texwipe Test Method — available upon request, contact ITW Texwipe Customer Service at [www.texwipe.com](http://www.texwipe.com) for a copy.  
Test results based on 9" x 9" wipers.

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