

# ThermaSeal™ 60 Wipers

ThermaSeal 60 wipers offer quality and value



## Description

ThermaSeal™ 60 wipers feature laser cut, sealed polyester laundered in an ISO Class 4 and are ideal for all purpose applications in critical cleanrooms and higher environments.

## Features

- Thermally sealed (laser) edges for particle and fiber control
- 100% continuous-filament, double-knit polyester fabric
- Good absorbency, wiping efficiency and abrasion resistance
- Chemically compatible with standard solvents and alcohols
- Laundered and packaged in an ISO Class 4 cleanroom environment
- Solvent-safe Bag-Within-A-Bag® cleanroom packaging to protect product
- Complies with REACH and RoHS requirements
- Color-coded packaging for easy recognition

## Applications

- Semiconductor and microelectronics — general wiping and cleaning needs
- Sterile Applications — Autoclavable
- USP 797 environments
- Medical device product cleaning
- Video display and instrument panel cleaning

## Products

TX Number		Packaging
<b>TX2064</b>	ThermaSeal™ 60 4" x 4" (10 cm x 10 cm)	300 wipers/bag 2 inner bags of 150 wipers; 20 bags/case
<b>TX2069</b>	ThermaSeal™ 60 9" x 9" (23 cm x 23 cm)	150 wipers/bag 2 inner bags of 75 wipers; 10 bags/case



**North America**  
1210 South Park Drive  
Kernersville, NC 27284  
Tel (800) TEXWIPE  
(336) 996-7046  
Fax (336) 996-2297  
[www.texwipe.com](http://www.texwipe.com)  
[info@texwipe.com](mailto:info@texwipe.com)

**Europe/Middle East**  
Skejby Nordlandsvej 307  
DK-8200 Aarhus N  
Denmark  
Tel +45 87 400 220  
Fax +45 87 400 222

**Asia/Pacific**  
50 Tagore Lane  
#02-01 Entrepreneur Centre  
Singapore 787494  
Tel +65 6468 9433  
Fax +65 6468 6772

# ThermaSeal™ 60 Wipers

TX2064 TX2069

## Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	122 g/m <sup>2</sup>	1, TM20
Absorbency		
Sorptive capacity	350 mL/m <sup>2</sup>	1, TM20
Sorptive rate	0.5 seconds	1, TM20

## Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥ 0.5 µm	3.5 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM22
Particles and fibers		
Particles 0.5-5.0 µm	3.1 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, 2, TM22
5.0-100 µm	106,000 particles/m <sup>2</sup>	1, 2, TM22
Fibers: >100 µm	600 fibers/m <sup>2</sup>	1, 2, TM22
Nonvolatile residue		
IPA extractant	0.03 g/m <sup>2</sup>	1, TM1
DIW extractant	0.01 g/m <sup>2</sup>	1, TM1
Ions		
Sodium	0.3 ppm	1, TM18
Potassium	0.12 ppm	1, TM18
Chloride	0.06 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).
  - 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](http://www.astm.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.

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