

# TechniCloth® II Wipers

Hydroentangled, nonwoven wiper treated to reduce particle generation



## Description

TechniCloth® II wipers are fabricated from a hydroentangled, non-woven blend of 55% cellulose and 45% polyester. This fabric blend combines the highly absorbent properties of a natural fiber with the cleanliness and strength of a synthetic wiper. TechniCloth® II features ITW Texwipe's proprietary ULP (ultralow particulate) treatment, giving it significantly lower particle generation than its predecessor, TechniCloth®.

## Features

- Fiber blend (55% cellulose and 45% polyester)
- Nonwoven, hydroentangled construction with excellent bidirectional strength
- ULP process
- Solvent-safe Bag-Within-A-Bag® cleanroom packaging
- Statistical quality control

## Benefits

- Reduces particle generation with ULP (ultralow particulate) treatment
- Provides extreme durability and high absorbency with unique cellulose/polyester blend
- Lot-to-lot traceability

## Applications

- Designed for critical environments where low particle generation and high absorbency are prime considerations
- Excellent for use in facilities for integrated circuit, printed circuit board and electronic components fabrications
- Spill control
- Cleaning and polishing precision components
- ISO Class 6–7 environments

## Products

TX Number	Description	Packaging
<b>TX1109</b>	TechniCloth® II 9" x 9" (23 cm x 23 cm) cellulose/polyester-blend wipers with ULP treatment	300 wipers/bag, double bagged; 10 bags/case
<b>TX1112</b>	TechniCloth® II 12" x 12" (31 cm x 31 cm) cellulose/polyester-blend wipers with ULP treatment	150 wipers/bag, double bagged; 10 bags/case
<b>TX1118</b>	TechniCloth® II 18" x 18" (46 cm x 46 cm) cellulose/polyester-blend wipers with ULP treatment	75 wipers/bag, double bagged; 10 bags/case

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# TechniCloth® II Wipers

TX1109 TX1112 TX1118

## Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	67 g/m <sup>2</sup>	1, TM20
Absorbency		
Sorptive capacity	260 mL/m <sup>2</sup>	1, TM20
Sorptive rate	1.2 seconds	1, TM20

## Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥ 0.5 µm	37 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM22
Particles and fibers		
Particles 0.5-5.0 µm	15 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, 2, TM22
5.0-100 µm	208,000 particles/m <sup>2</sup>	1, 2, TM22
Fibers: >100 µm	40,000 fibers/m <sup>2</sup>	1, 2, TM22
Nonvolatile residue		
IPA extractant	0.02 g/m <sup>2</sup>	1, TM1
DIW extractant	0.02 g/m <sup>2</sup>	1, TM1
Ions		
Sodium	40 ppm	1, TM18
Potassium	5 ppm	1, TM18
Chloride	24 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.*

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For customer service, call 1300-735-292  
To fax an order, use 1800-067-639  
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