

# TechniCloth® Wipers

Lowest NVR in a nonwoven blended wiper



## Features

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

## Benefits

- » Excellent wet and dry strength due to the polyester
- » Highly absorbent due to the cellulose
- » Compatible with most solvents
- » Contains no chemical binders
- » Low extractable levels

## Description

TechniCloth® wipers are fabricated from a hydroentangled, nonwoven 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. With its low particle counts, low extractable levels and solvent compatibility, TechniCloth® is ideal for general wiping and spill control in controlled environments.

TechniCloth® is also available pre-wetted as a CleanPak® with isopropyl alcohol/deionized water solution.

## Applications

- » Designed for general-purpose wiping where economy and cleanliness are of critical importance
- » Ideal for applications where high absorbency and low extractables are prime considerations
- » Excellent for picking up aqueous spills
- » Suitable for cleaning precision components and lab apparatus

## Products

Number	Description	Packaging
<b>TechniCloth® Dry Wipers</b>		
<b>TX604</b>	4" x 4" (10 cm x 10 cm) nonwoven, cellulose/polyester-blend wipers	1,200 wipers/bag, 4 inner bags of 300 wipers; 10 bags/case
<b>TX606</b>	6" x 6" (15 cm x 15 cm) nonwoven, cellulose/polyester-blend wipers	600 wipers/bag, 2 inner bags of 300 wipers; 10 bags/case
<b>TX609</b>	9" x 9" (23 cm x 23 cm) nonwoven, cellulose/polyester-blend wipers	300 wipers/bag, double bagged; 10 bags/case
<b>TX612</b>	12" x 12" (31 cm x 31 cm) nonwoven, cellulose/polyester-blend wipers	150 wipers/bag, double bagged; 10 bags/case
<b>TechniSat® Pre-Wetted</b>		
<b>TX1041</b>	9" x 11" (23 cm x 28 cm) wipers, pre-wetted with 70% IPA	70 wipers/reclosable bag; 12 bags/case
<b>TX1045</b>	6" x 8" (15 cm x 20 cm) wipers pre-wetted with 70% IPA	100 wipers/canister; 12 canisters/case
<b>TX1048</b>	Gowning Room Wipe™ 8" x 5" (20 cm x 13 cm) wipers pre-wetted with 6% IPA	210 wipers/refill; 12 refill packs and 1 fliptop
<b>TX1065</b>	9" x 11" (23 cm x 28 cm) wipers pre-wetted with 70% IPA	50 wipers/flexpack; 24 flexpacks/case
<b>TX1067</b>	7" x 11" (18 cm x 28 cm) wipers pre-wetted with 70% USP-Grade IPA	200 wipers/reclosable slider bag; 4 slider bags/case
<b>TX8488</b>	9" x 11" (23 cm x 28 cm) wipers pre-wetted with 6% IPA	300 wipers/slider bag; 3 bags/case



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# TechniCloth® Wipers

## Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	69 g/m <sup>2</sup>	1, TM20
<b>Absorbency</b> Sorbptive capacity Sorbptive rate	360 mL/m <sup>2</sup> <0.3 seconds	1, TM20 1, TM20

## Contamination Characteristics

Property	Typical Value	Test Method*
<b>LPC</b> ≥ 0.5 µm	72 x 10 <sup>6</sup> particles/m <sup>2</sup>	1, TM22
<b>Particles and Fibers</b> Particles 0.5-5.0 µm 5.0-100 µm Fibers: >100 µm	20 x 10 <sup>6</sup> particles/m <sup>2</sup> 997,000 particles/m <sup>2</sup> 55,000 fibers/m <sup>2</sup>	1, 2, TM22 1, 2, TM22 1, 2, TM22
<b>Nonvolatile Residue</b> IPA extractant DIW extractant	0.01 g/m <sup>2</sup> 0.03 g/m <sup>2</sup>	1, TM1 1, TM1
<b>Ions</b> Sodium Potassium Chloride	34 ppm 1.0 ppm 16 ppm	1, TM18 1, TM18 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.

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