

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
TX1109	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
TX1112	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
TX1118	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



North America
1210 South Park Drive
Kernersville, NC 27284
Tel (800) TEXWIPE
(336) 996-7046
Fax (336) 996-2297
www.texwipe.com
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

TechniCloth® II Wipers

TX1109 TX1112 TX1118

Performance Characteristics

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

Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥ 0.5 µm	37 x 10 ⁶ particles/m ²	1, TM22
Particles and fibers		
Particles 0.5-5.0 µm	15 x 10 ⁶ particles/m ²	1, 2, TM22
5.0-100 µm	208,000 particles/m ²	1, 2, TM22
Fibers: >100 µm	40,000 fibers/m ²	1, 2, TM22
Nonvolatile residue		
IPA extractant	0.02 g/m ²	1, TM1
DIW extractant	0.02 g/m ²	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.
- 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.
- TM – Refers to ITW Texwipe Test Method — available upon request, contact ITW Texwipe Customer Service at 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.