

FoamWipe™ Wipers

Open-cell polyurethane foam wipers



Description

FoamWipe™ is made from open-cell, 100 pore-per-inch polyurethane foam. Each wiper is precision cut for low particle generation. FoamWipe™ is an excellent replacement for cellulose sponges in critical environments. This wiper can also be used as a soft and nonabrasive work surface. FoamWipe™ is silicone free and double-bagged packaged for use in cleanroom environments.

Benefits

- Provides low particle generation
- Excellent solvent capacity and hold with fully reticulated polyurethane foam construction

Applications

- For use in cleanroom maintenance and assembly operations
- Cleaning with IPA and other solvents
- Padded work surface
- Ideal for applying cleaning solutions to large surfaces

Products

TX Number	Description	Packaging
TX704	6" x 9" x 1/8" wipers (15 cm x 23 cm x 3 mm)	60 wipers/bag, double bagged; 8 bags/case

Texwipe can manufacture custom sizes of FoamWipe™



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FoamWipe™ Wipers

TX704

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	105 g/m ²	1, TM20
Absorbency		
Sorptive capacity	900 mL/m ²	1, TM20
Sorptive rate	3.9 seconds [†]	1, TM20

Contamination Characteristics

Property	Typical Value	Test Method*
LPC		
≥ 0.5 µm	1.5 x 10 ⁶ particles/m ²	1, TM22
Particles and fibers		
Particles 0.5–5.0 µm	10 x 10 ⁶ particles/m ²	1, 2, TM22
5.0–100 µm	825,000 particles/m ²	1, 2, TM22
Fibers > 100 µm	4,700 fibers/m ²	1, 2, TM22
Nonvolatile residue		
IPA extractant	1.10 g/m ²	1, TM1
DIW extractant	0.30 g/m ²	1, TM1
Ions		
Sodium	1.0 ppm	1, TM18
Potassium	Non Detected	1, TM18
Chloride	10 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.

[†]Absorbency rate test performed using IPA.

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