

TexTube® Wipers

High-sorbency performance in premium, sealed-edge, tubular-knit polyester wipers



Description

TexTube® is a tubular-knit, two-ply tube constructed of 100% polyester. The two open edges are thermally sealed to prevent particle and fiber release. The TexTube® wiper offers high sorptive capacity and excellent contamination control.

Features

- 100% synthetic fiber (continuous-filament, circular-knit polyester)
- Unique two-ply, pinsonic tubular construction requiring the sealing of only two edges rather than four
- Laundered and packaged at ITW Texwipe's Cleanroom Products Manufacturing Center
- Solvent-Safe Bag-Within-A-Bag® cleanroom packaging
- Statistical quality control

Benefits

- Achieves the maximum sorption of all sealed-edge wipers
- Assures cleanliness with ultralow levels of particles, ions and extractables
- Helps prevent product and cleanroom contamination by minimizing fiber and particle release
- Soft "hand" character
- Lot-to-lot traceability

Applications

- Engineered for the highest sorbency wiping needs in all critical environments where the control of contamination is paramount
- Ideal for maintenance of environmental work surfaces
- Excellent as a clean work surface or for transport of sensitive parts
- Can be used with deionized water, isopropyl alcohol or other solvents for cleaning of critical surfaces

Product

Number	Description	Packaging
TX1070	TexTube® 9" x 9" nominal (23cm x 23cm) tubular-knit polyester, sealed-edge wipers of tubular construction	100 wipers/bag, 2 inner bags of 50 wipers; 10 bags/case



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Effective: November 2011

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Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	191 g/m ²	1,TM20
Absorbency		
Sorptive capacity	780 mL/m ²	1,TM20
Sorptive rate	0.5 seconds	1,TM20
Property	Typical Value	Test Method*
LPC		
≥0.5 μm	4.5 x 10 ⁶ particles/m ²	1,TM22
Particles and fibers		
Particles 0.5–5.0 μm	2.0 x 10 ⁶ particles/m ²	1,2,TM22
5.0–100 μm	134,000 particles/m ²	1,2,TM22
Fibers >100 μm	105 fibers/m ²	1,2,TM22
Nonvolatile residue		
IPA extractant	0.07 g/m ²	1,TM1
DIW extractant	0.01 g/m ²	1,TM1
Ions		
Sodium	0.09 ppm	1,TM18
Potassium	0.02 ppm	1,TM18
Chloride	0.08 ppm	1,TM18

Note: The data in these tables 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.