ThermaSeal™ 70 Wipers

ThermaSeal 70 premium wipers offer quality, with superior absorbency

Description

ThermaSeal™ 70 wipers are hot-cut polyester wipers for all-purpose cleaning in critical cleanroom environments. They offer high absorbency, low particles and low ions, in a full size 9" x 9" wiper.

ThermaSeal™ 70 wipers are produced and packaged in a state-of-the-art ISO Class 4 cleanroom environment.

Features

- Thermally sealed edges for advanced particle and fiber control
- Laundered and packaged in an ISO Class 4 cleanroom environment
- 100% continuous-filament, double-knit polyester fabric
- Solvent-safe Bag-Within-A-Bag® cleanroom packaging
- Superior absorbency, wiping efficiency and abrasion resistance
- Full size 9" x 9" wiper

Applications

Designed for ISO Class 3-5 cleanroom applications:

- Ideal for wiping interior of process tools and medical devices

Products

TX Number		Packaging
TX2079	ThermaSeal™ 70 9" x 9" (23 cm x 23 cm)	150 wipers/bag, 2 inner bags of 75 wipers; 10 bags/case

ITW Texwipe®

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ThermaSeal™ 70 Wipers

TX2079

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	164 g/m^2	1, TM2
Absorbency		
Sorptive capacity	451 mL/m^2	1, TM3
Sorptive rate	0.5 seconds	1, TM3

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5-5 µm	4.8 x 10^6 particles/m^2	1, 2, TM15
5-100 µm	369,000 particles/m^2	1, 2, TM15
Fibers: >100 µm	524 fibers/m^2	1, 2, TM15
Nonvolatile residue		
IPA extractant	0.05 g/m^2	1, TM1
DIW extractant	0.01 g/m^2	1, TM1
Ions		
Sodium	0.40 ppm	1, TM18
Potassium	BDL**	1, TM18
Chloride	BDL**	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.

**BDL = Below Detection Limits