

ThermaSeal™ 70 Wipers

ThermaSeal heavy weight wipers offer quality, low cost and value



Description

ThermaSeal™ wipers are hot-cut polyester wipers for all-purpose cleaning in critical cleanroom environments.

ThermaSeal™ wipers feature thermally sealed edges for fiber control at an economical cost and are available in two fabric weights.

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

Features

- Thermally sealed edges for 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
- Good absorbency, wiping efficiency and abrasion resistance
- Low cost per wiper

Applications

Designed for ISO Class 4-6 cleanroom applications:

- General wiping where contamination control is of paramount importance

Products

TX Number	Heavy weight	Packaging
TX2079*	9" x 9" nominal (23 cm x 23 cm)	150 wipers/bag, 2 inner bags of 75 wipers; 10 bags/case

*Available in Europe and Asia only

ITW Texwipe®

North America

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ThermaSeal™ 70 Wipers

TX2079

Performance Characteristics

Property	Typical Value	Test Method*
Basis weight	145 g/m ²	TM2: The Determination of Basis Weight
Absorbency		
Sorptive capacity	440 mL/m ²	TM3: Absorbency and Rate of Absorbency of Wipers
Sorptive rate	0.5 seconds	TM3: Absorbency and Rate of Absorbency of Wipers

Contamination Characteristics

Property	Typical Value	Test Method*
Particles and fibers		
Particles 0.5-5.0 µm	16 x 10 ⁶ particles/m ^{2**}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
5.0-100 µm	530,000 particles/m ^{2**}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
Fibers: >100 µm	5,500 fibers/m ^{2**}	ASTM E 2090-00: Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Clean Room Wipers Using Optical and Scanning Electron Microscopy
Nonvolatile residue		
IPA extractant	0.10 g/m ²	TM1: Matter Extractable from Wipers and Other Materials
DIW extractant	0.02 g/m ²	TM1: Matter Extractable from Wipers and Other Materials
Ions		
Sodium	0.40 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique
Potassium	0.05 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique
Chloride	0.04 ppm	TM12: The Determination of Ions in Wipers and Other Materials by Capillary Ion Analysis (CIA) Technique

Note: The data in this table represent typical analyses of these wipers at the time of publication. These are not specifications.
Texwipe continually refines both its processes and its products.

*Texwipe test procedures available upon request. ASTM procedure available for purchase at www.astm.org.

**ASTM E 2090 provides a more sensitive test and a more complete measurement of particles and fibers than other standard test methods.