

## TECHNICAL DATA SHEET



### Description

TexSeal™ is designed for use in the most critical cleanroom environments. The wiper contains four fully sealed borders to prevent the release of fibers and particles. TexSeal delivers low ions and extractables.

### Applications

- ▶ Designed for use in ISO 3-7 cleanroom environments
- ▶ Ideal for cleaning surfaces, equipment and parts
- ▶ Cleaning with solvents such as isopropyl alcohol (IPA), ethanol, acetone and degreasers

### Features

- ▶ Four fully sealed borders to prevent fiber release
- ▶ Excellent balance of wiping efficiency, abrasion resistance and absorbency
- ▶ 100% continuous-filament polyester

### Benefits

- ▶ Assures cleanliness with low levels of ions and extractables
- ▶ Resists abrasion under rigorous use or when wiping rough surfaces
- ▶ Helps preventing product and cleanroom contamination by minimizing fiber and particle releases
- ▶ Lot-to-lot traceability

### Product

Number	Description	Packaging
<b>TX2029</b>	TexSeal™ 9" x 9" (23 cm x 23 cm) sealed-border polyester wipers	100 wipers / bag 2 innerbags of 50 wipers 10 bags / case
<b>TX2022</b>	TexSeal™ 12" x 12" (31 cm x 31 cm) sealed-border polyester wipers	100 wipers / bag 2 innerbags of 50 wipers 10 bags / case

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### Performance Characteristics

Property	Typical Value	Test Method*
<b>Particles and Fibers</b> LPC: $\geq 0.5 \mu\text{m}$ Fibers: $>100 \mu\text{m}$	$7.2 \times 10^6$ particles/m <sup>2</sup> 400 fibers/m <sup>2</sup>	1, TM22 2, TM22
<b>Nonvolatile Residue</b> IPA extractant DIW extractant	0.04 g/m <sup>2</sup> 0.01 g/m <sup>2</sup>	1, TM1 1, TM1
<b>Ions</b> Sodium Potassium Chloride	0.25 ppm 0.15 ppm 0.07 ppm	1, TM18 1, TM18 1, TM18

### Physical Characteristics

Property	Typical Value	Test Method*
<b>Absorbency</b> Sorptive capacity Sorptive rate	320 mL/m <sup>2</sup> 0.5 seconds	1, TM20 1, TM20
<b>Basis Weight</b>	125 g/m <sup>2</sup>	1, TM20

#### \*Test Methods

- 1 – “Evaluating Wiping Materials Used in Cleanroom and Other Controlled Environments,” IEST-RP-CC004.3, Institute for Environmental Sciences and Technology, Rolling Meadows, IL, 2004; [www.iest.org](http://www.iest.org).
  - 2 – E2090-12, “Standard Test Method for Size-Differentiated Counting of Particles and Fibers Released from Cleanroom Wipers Using Optical and Scanning Electron Microscopy,” ASTM International, West Conshohocken, PA, 2012; [www.astm.org](http://www.astm.org).
- TM – Refers to Texwipe Test Method – available upon request. Contact Texwipe Customer Service at [www.texwipe.com](http://www.texwipe.com) or [info@texwipe.com](mailto:info@texwipe.com) for a copy.

Note: The data in this table represent typical analyses.

*Texwipe holds ISO 9001 and ISO 14001 registrations.*

*All Texwipe products conform to GHS classification for labeling (where applicable).*

*Shipping classification based on weight of inner package.*