

# Technical Data Sheet



## SmartWipes® 810 UltraClean

### Product Description

UltraClean is a 100% continuous filament polyester fiber wipe that meets the highest cleanroom requirements with superior cleaning performance. Extremely clean and static free, these wipes are a must in any environment. In terms of use characteristics, these wipes pick up solvent spills and oil, as well as water, and at about two to three times the rate of cotton.

### Features

Material: heavy weight, exceptional absorbency, high abrasion resistance, smooth surface and soft texture will not scratch, wet or dry.

Strong: interlocked knitted construction and pattern was developed to insure the greatest product integrity.

Low Particle: critically low particles, fibers, ions and extractables.

Laundered: laundered in ultrafiltered water of 0.45 $\mu$  purity and dried in HEPA filtered Class 10 air stream.

Cleanroom Prepared: inspected, hermetically sealed and double-bag packaged within ISO Class 4 (Class 10) conditions.

### Cleanroom Class

ISO 14644-1 Cleanroom Standard	ISO Class 4 - 5
US FED STD 209E Cleanroom Standard	Class 100
Compatibility	Class 10

### Basis Weight

(oz/yd <sup>2</sup> )	4.0
(g/m <sup>2</sup> )	136

### Thickness

(mils)	17
(mm)	0.432

### Sorbency Capacity

Intrinsic (mL/g)	2.85
Extrinsic (mL/m <sup>2</sup> )	321
Test Method	IEST-RP-CC004.3

### Nonvolatile Residue (NVR) (mg/g)

Deionized Water	0.051
Isopropyl Alcohol	0.374
Test Method	IEST-RP-CC004.3

### Ions (ppm)

Sodium	0.751
Chloride	0.473
Test Method	IEST-RP-CC004.3

### Particles (million/m<sup>2</sup>)

>0.5 $\mu$ m	4.8
Test Method	IEST-RP-CC004.3

### Fibers (fibers/m<sup>2</sup>)

>100 $\mu$ m	11,800
Test Method	IEST-RP-CC004.3

### Packaging

Size*	9" x 9"
Wipes/Package (neatly stacked and aligned in symmetrical piles)	150
Packages/Case	5
*custom size on request: 12"x12"	
Total Wipes/Case	750

### Case Weight & Dimensions

Weight	15 lbs
Dimensions	19" x 12" x 10"

### Availability

Products are available through global sales and a nationwide network of distributors.

### Environmental Policy

As a leading manufacturer and supplier of SMT production supplies; JNJ is committed to providing high quality products and services in a manner that does not impact upon, but enhances the environment.

The data supplied in this document is for guidance only and is not intended to serve as a specification or recommendation. JNJ has made suggestions on which wipers are suitable for cleanroom classifications. However, the final decision should be made by the end user for their specific application. JNJ Industries does not guarantee the accuracy of the information and does not assume liability in connection with any damages that may be incurred while using the product and reserves the right to change the above data without notice.

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