

Technical Data Sheet



SmartWipes® 413A-RL EquaStat Roll

Product Description

Create a temporary ESD safe workstation! EquaStat Roll unlaundered material is comprised of 100% polyester fiber with lines of NEGA-STAT® carbon yarn to promptly disperse electrical static. The heavy weight fabric roll can be cut to convenient lengths to provide an ESD safe covering for all work surfaces: work benches, storage shelves, trolley carts, etc. Convenient no-mess solution for conformal coating spray applications. This ESD safe material is also available in 413A-UNL EquaStat Unlaundered wipes.

Features

ESD Material: static dissipative

ESD Packaging: shrink wrapped in an ESD safe, static dissipative film.

Integrity: interlocked knitted pattern was developed to ensure the greatest product integrity and decreases particle generation and soluble extractables.

Strong: knit construction provides strength and cleaning performance.

Cleanroom Class

ISO 14644-1 Cleanroom Standard	ISO Class 6 - 9
US FED STD 209E Cleanroom Standard	Class 1,000

Basis Weight

(oz/yd ²)	3.4
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Thickness

(inches)	0.019
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Sorbency Capacity

Intrinsic (mL/g)	2.05
Extrinsic (mL/m ²)	249
Test Method	IEST-RP-CC004.3

Sorbency Rate

Time, seconds (drop of water absorbs into fabric)	6.55
Test Method	IEST-RP-CC004.3

Nonvolatile Residue (NVR)

Deionized Water	
milligram/m ²	20.1
microgram/g	167
Isopropyl Alcohol	
milligram/m ²	47.0
microgram/g	382
Test Method	IEST-RP-CC004.3

Static Dissipative Characteristics

Surface Resistivity (w/square)	7x10 ¹¹
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Metals and Ions (microgram/gram of wiper)

Sodium	11.8
Chloride	16.9
Potassium	3.03
Nitrate	1.83
Sulfate	4.68
Test Method	IEST-RP-CC004.3

Particles (million/m²)

>0.5 µm	136
Test Method	IEST-RP-CC004.3

Fibers

100 Micrometers and Larger/m ² of Wiper	37,000
Test Method	IEST-RP-CC004.3

Packaging

Roll Width	29"
Linear Feet/Roll	50
Rolls/Case	6

Case Weight & Dimensions

Weight	26 lbs
Dimensions	30" x 14" x 12"

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.

JNJ Industries · 290 Beaver Street, Franklin, MA USA 02038 · 508.553.0529 · 800.554.9994 · sales@jnj-industries.com · jnj-industries.com
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