

ZeroWipe™ M-Series

Heavyweight Polyester Microdenier Wiper

ZeroWipe M-Series wipers are designed for ultra-efficient cleaning wet or dry. Their unique microdenier construction enables the wiper to trap and capture contaminants without residue. This makes them an ideal choice for critical product cleaning applications. Available in 9" x 9" and 12" x 12" sizes.



FEATURES

- Heavyweight, 100% polyester microdenier knit construction
- Precision laser sealed edges
- Solvent safe, reclosable zipper cleanroom packaging
- Complete lot-to-lot data online
- Vertically integrated manufacturing from finishing through packaging

BENEFITS

- Ultra-soft for use on sensitive surfaces including coated glass and plastics
- Retains solvents and solutions in the wiper for improved cleaning
- 50 wipers per bag for workstation distribution
- Compatible with IPA and other solvents
- Lot traceable for comprehensive quality control

APPLICATIONS

- ISO Class 3 and higher cleanrooms
- Product cleaning
- Medical device manufacturing
- Optoelectronics assembly

WIPER PART #	SIZE (NOMINAL)	PACKAGING
ZOLAB-ZW-M09	9" x 9"	50 Wipers / Bag, 20 Bags / Case
ZOLAB-ZW-M12	12" x 12"	50 Wipers / Bag, 10 Bags / Case

The data represents actual test data at the time of publication. Product comparisons may only be made using side by side testing.

Test methods (all follow IEST-RP-CC004.3):
 Sorbency Capacity & Efficiency - Sec 8.1 • Sorbency Rate - Sec 8.2
 Fibers - Sec 6.1.3 & 6.2.2.2 • Particles - Sec 6.1.3 & 6.2.1
 Non-Volatile Residue - Sec 7.1.2 • Ions - Sec 7.2.2

DATA

WIPER CHARACTERISTICS	DATA (SPECIFICATION)
Basis Weight	160 g/m ² (145-170 g/m ²)
Thickness	0.40 mm (0.38-0.42 mm)
Sorbency Capacity	360 mL/m ² (>310 mL/m ²)
Sorbency Efficiency	2.21 g/m ² (>1.8 g/m ²)
Sorbency Rate	<1 s (<1 s)

FIBERS & PARTICLES

Fibers >100 μm	270 fibers/m ² (<600 fibers/m ²)
Liquid Particle Count (≥ 0.5 μm)	0.32 x 10 ⁶ particles/m ² (<6.00 x 10 ⁶ particles/m ²)

NON-VOLATILE RESIDUE

IPA Extracted	0.179 g/m ² (<0.5 g/m ²)
DI Water Extracted	0.026 g/m ² (<0.1 g/m ²)

ION CHROMATOGRAPHY

<i>Anions</i>	
Bromide	Not Detected (<1 ppm)
Chloride	Not Detected (<1 ppm)
Fluoride	Not Detected (<1 ppm)
Nitrite	Not Detected (<1 ppm)
Nitrate	0.29 ppm (<1 ppm)
Phosphate	0.25 ppm (<1 ppm)
Sulfate	Not Detected (<1 ppm)
<i>Cations</i>	
Ammonium	Not Detected (<1 ppm)
Calcium	Not Detected (<1 ppm)
Lithium	Not Detected (<1 ppm)
Magnesium	Not Detected (<1 ppm)
Potassium	Not Detected (<1 ppm)
Sodium	Not Detected (<1 ppm)