

TekniMax™ LX Mixed-Weave Microfiber

Light-weight and conformable, TekniMax™ LX utilizes a mixed weaving pattern to create multi-directional, high surface area contact to thoroughly remove a range of contaminants. From fine, nearly invisible particles and fluids to oily residues and haze, TekniMax™ LX is the choice to deliver contamination reduction in your cleanroom.

■ APPLICATIONS

- Delivers streak-free, cushioned cleaning of haze, particles and oily residues from sensitive surfaces such as optics and sensors
- Soft enough to remove API particles & residuals from the most sensitive surfaces
- Suitable for use in ISO 3 and higher cleanrooms

■ FEATURES & BENEFITS

- Superior microcontamination capture to deliver improved single pass wiping efficiency
- Highly conformable fabric folds to remove residues from tight crevices and corners
- Easily removes oily residues and haze from a variety of surfaces



Teknipure™

TekniMax™ LX Mixed-Weave Microfiber Wipers

Product	Class	Edge Finish	ESD†	Pre-Sat	IPA*	Wiper Size	Packaging
TC2MFUW-99	ISO 4	Ultra-Edge				9" x 9" (23cm x 23cm)	100 ea/bag; 20 bags/case
TC2MFUW-12	ISO 4	Ultra-Edge				12" x 12" (30cm x 30cm)	100 ea/bag; 10 bags/case
TS3MBWI70S-99	ISO 3	Ultra-Border Seal	⚡	◆	70%	9" x 9" (23cm x 23cm)	100 ea/zipper bag; 5 bags/case

*IPA (Isopropyl Alcohol) meets or exceeds USP purity requirements

†ESD Electrostatic Dissipative Packaging

Physical Properties

Basis Weight	110 g/m ² 172 g/m ² – TC2MFW-12
Material	100% Polyester/Nylon
Absorbency	Extrinsic Capacity: 309 ml/m ² Intrinsic Capacity: 2.42 ml/g Rate: <1 second

Purity Specifications

	Target
Particles & Fibers	(x 10 ⁶ particles/m ²)
Particles >0.50um	<8.5
Particles >5.0um	<1.0
Fibers >100um	<450

*Particles: IEST-RP-CC004.3 Section 6.1.4

Fibers: IEST-RP-CC004.3 Section 6.2.2 (Orbital Shake Test)

Nonvolatile Residue

Extractant	Target
IPA	<0.10 g/m ²
DI Water	<0.05 g/m ²

*IEST-RP-CC004.3 Section 7.1.2 (Short Term Extraction)

Extractable Ions

Ion	Target
Sodium (Na ⁺)	<0.2 ppm
Potassium(K ⁺)	<0.1 ppm
Calcium (Ca ²⁺)	<0.2 ppm
Chloride (Cl ⁻)	<0.2 ppm
Magnesium (Mg ²⁺)	<0.1 ppm

* IEST-RP-CC004.3 Section 7.2.2.1B (Standard Extraction)

Shelf Life

Non-sterile Dry Wipes: 5-years from the date of manufacture.

Non-sterile Pre-wetted Wipes: 3-years from the date of manufacture.

Sterile Dry & Pre-wetted Wipes: 3-years from the date of manufacture.

