

TekniPure Mixed-Weave Microfiber

■ CHARACTERISTICS

Lightweight and highly conformable, this engineered fabric made of proprietary randomized and textured weaving pattern maximizes surface contact. Superior fiber contact equals excellent microcontamination removal even in tight corners and crevices.

■ 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



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TekniPure Mixed-Weave Microfiber Wipers

Product	Class	Edge Finish	ESD [†]	Pre-Sat	IPA*	Wiper Size	Packaging
TC2MFUW-44	ISO 4	Ultra-Edge				4" x 4" (10cm x 10cm)	400 ea/bag; 20 bags/case
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
TC2MFW-12	ISO 4	Standard				12" x 12" (30cm x 30cm)	100 ea/bag; 10 bags/case
TC3MBWS-99	ISO 3	Ultra-Borderseal				9" x 9" (23cm x 23cm)	100 ea/bag; 15 bags/case
TS3MBWI70S-99	ISO 3	Ultra-Borderseal	⚡	◆	70%	9" x 9" (23cm x 23cm)	100 ea/zipper bag; 5 bags/case

*IPA (Isopropyl Alcohol) is USP grade

†ESD Electrostatic Dissipative Packaging

Physical Properties

Basis Weight	110 g/m ² 172 g/m ² – TC2MFW-12
Thickness	(+/- 3mm)
Material	100% Polyester/Nylon
Absorbency	Extrinsic Capacity: 309 ml/m ² Intrinsic Capacity: 2.42 ml/g Rate: <1 second

Purity Specifications

Particles & Fibers	Target (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)



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