

TekniPure Nonwoven Microfiber

■ CHARACTERISTICS

A unique blend of mechanically fractured polyester and nylon microfibers to produce a uniformly random fiber distribution with a high area of fiber contact for superior surface cleaning. Suitable for ISO 6 and higher cleanrooms.

■ APPLICATIONS

- Optics & Sensor Cleaning
- Polishing Surfaces
- Removing oily residues or haze
- Ideal for frequent cleaning of small spaces or items
- Suitable for use in ISO 5 and higher cleanrooms

■ FEATURES & BENEFITS

- Economical cellulose-free cleaning
- Soft enough for many scratch sensitive surfaces
- Light weight and conformable to clean tight, hard to access areas



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TekniPure Nonwoven Microfiber Wipers

Product	Class	Edge Finish	Pre-Sat	Sterile†	IPA%*	Wiper Size	Packaging
TZ1MF-44	ISO 5	Standard				4" x 4" (10cm x 10cm)	600 ea/bag; 10 bags/case
TZ1MF-99	ISO 5	Standard				9" x 9" (23cm x 23cm)	150 ea/bag; 10 bags/case
TZ1MF-12	ISO 5	Standard				12" x 12" (30cm x 30cm)	150 ea/bag; 10 bags/case
TZ1MFR-1012	ISO 5	Standard				10" x 12" (25cm x 30cm)	50 sheets/roll; 24 rolls/case
TS1MFI70-99S	ISO 5	Standard	◆	◆		9" x 9" (23cm x 23cm)	
TS1MFI09-99	ISO 5	Standard	◆		9%	9" x 9" (23cm x 23cm)	30 ea/pouch; 24 pouches/case
TS1MFI70-99	ISO 5	Standard	◆		70%	9" x 9" (23cm x 23cm)	30 ea/pouch; 24 pouches/case

†Validated sterilization via gamma irradiation to a Sterility Assurance Level of 10⁻⁶ according to AAMI Guidelines

*IPA (Isopropyl Alcohol) is USP grade

Physical Properties

Basis Weight	80 g/m ²
Thickness	0.25mm (+/- 2mm)
Material	100% Polyester/Nylon
Absorbency	Extrinsic Capacity: 317.5 ml/m ² Intrinsic Capacity: 3.76 ml/g Rate: <1 second

Purity Specifications

Particles & Fibers	Target (x 10 ⁶ particles/m ²)
Particles >0.50um	<60.0
Particles >5.0um	<0.26
Fibers >100um	<3500

*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	<0.05 g/m ²
DI Water	<0.03 g/m ²

[†]IEST-RP-CC004.3 Section 7.1.2 (Short Term Extraction)

Extractable Ions

Ion	Target
Sodium (Na ⁺)	<50.0 ppm
Potassium(K ⁺)	<30.0 ppm
Calcium (Ca ²⁺)	<30.0 ppm
Chloride (Cl ⁻)	<30.0 ppm
Magnesium (Mg ²⁺)	<50.0 ppm

[†]IEST-RP-CC004.3 Section 7.2.2.1B (Standard Extraction)



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