

MicroClean™ Pro Cleanroom Wipers

Microfiber Woven/Knit Sealed Border

MicroClean™ Pro wipers are made in cleanroom conditions from a **woven or knit 80% Polyester / 20% Nylon microfiber** material **with a sealed border** and offer softness, durability and great cleaning capabilities, capturing smallest particles and fibers and retaining them inside the wiper.

Teknipure offers dry knit microfiber wipers with a sealed border (MicroClean™ Pro) including in ESD Static Shield Bag (MicroClean™ Pro ESD), as well as pre-saturated with 70% IPA/30% DIW (MicroClean™ Pro Presat) including in ESD Static Shield Bag (MicroClean™ Pro Presat ESD).



AVAILABLE
IN ESD
BAGS

Applications:

- Wiping and cleaning sensitive surfaces and parts, such as lenses, sensors and other optics
- Removal of fingerprints and oily substances from surfaces
- Applying and removing solvents and solutions including disinfectants, lubricants, adhesives, removing residues

Features and Benefits:

- Soft and durable microfiber material is ideal for streak-free cleaning of sensitive surfaces in cleanroom environments
- Excellent chemical compatibility with a variety of cleaning and disinfecting solutions
- The sealed border wipers provide low levels of particles and fibers and are suitable for use in most critical cleanroom environments
- Pre-saturated wipers provide consistent wetness level for optimized and consistent cleaning efficiency
- The IPA used for pre-saturation, is 0.2 µm filtered for additional contamination control
- Durable and abrasion resistant wiper that will not easily break up particles and fibers during use

Industries:

- Medical Device / Optics
- Semiconductor / Microelectronics
- Pharmaceutical / Biologics
- Laboratories / Academia
- Aerospace / Defense
- USP <797> / USP <800>

Cleanroom Environment:

- ISO Class 2 – 7 (Grades A-D)
- Class <1 – 10,000

Shelf Life:

- Dry Non-Sterile – 5 years from date of manufacture
- All Presaturated and Sterile – 3 years from date of manufacture



Microfiber material structure
Enhanced cleaning capabilities, capturing the smallest particles and fibers and retaining them inside the material

MicroClean™ Pro

Cleanroom Wipers

Microfiber Woven/Knit Sealed Border

MicroClean™ Pro		
Part Number	Description	Packaging
TC3MFB1-44	Microfiber Knit Wiper with Sealed Border, 4"x4" (10 cm x 10 cm)	1600 wipes/bag, 10 bags/case, Total 6000 wipes/case
TC3MFB1-99	Microfiber Knit Wiper with Sealed Border, 9"x9" (23 cm x 23 cm)	100 wipes/bag, 2 bags/pack, 10 packs/case, Total 2000 wipes/case
TC3MFBW-99	Microfiber Woven Wiper with Sealed Border, 9"x9" (23 cm x 23 cm)	25 wipes/bag, 6 bags/outer bag, 10 outer bags/case, Total 1500 wipes/case
TC3MFBW-12	Microfiber Woven Wiper with Sealed Border, 12"x12" (30 cm x 30 cm)	10 wipes/bag, 10 bags/outer bag, 10 outer bags/case, Total 1000 wipes/case
TC3MFBW-3945	Microfiber Woven Wiper with Sealed Border, 39"x45" (99 cm x 114 cm)	2 wipes/bag, 50 bags/case, Total 100 wipes/case
TC3MFBW-3843	Microfiber Woven Wiper with Sealed Border, 38"x43" (97 cm x 109 cm)	2 wipes/bag, 50 bags/case, Total 100 wipes/case

MicroClean™ Pro ESD		
Part Number	Description	Packaging
TC3MBWS-99	Microfiber Woven Wiper with Sealed Border, 9"x9" (23 cm x 23 cm), Static shield resealable bag	100 wipes/resealable bag, 15 bags/case, Total 1500 wipes/case

MicroClean™ Pro Presat		
Part Number	Description	Packaging
TS3MFB170Z-99	Microfiber Knit Wiper with Sealed Border, Presaturated with 70% IPA/30% DIW, 9"x9" (23 cm x 23 cm)	50 wipes/resealable bag, 15 bags/case, Total 750 wipes/case

MicroClean™ Pro Presat ESD		
Part Number	Description	Packaging
TS3MBWI70S-99	Microfiber Woven Wiper with Sealed Border, Presaturated with 70% IPA/30% DIW, 9"x9" (23 cm x 23 cm), Static shield resealable bag	100 wipes/resealable bag, 5 bags/case, Total 500 wipes/case

Performance Characteristics	Typical Value	Test Method
Particles and Fibers		
LPC >0.50 µm	6 x 106 particles/m2	IENT-RP-CC004.4, Section 7.2.1
Fibers >100 µm	300 fibers/m2	IENT-RP-CC004.4, Section 7.2.2
Nonvolatile Residue		
IPA Extractant	0.07 g/m2	IENT-RP-CC004.4
DI Water Extractant	0.015 g/m2	
Extractable Ions		
Sodium (Na+)	0.02 ppm	IENT-RP-CC004.4, Section 8.2.2
Potassium(K+)	0.03 ppm	
Chloride (Cl-)	0.02 ppm	
Physical Characteristics		
Material	80% Polyester/20% Nylon	ASTM D3776
Basis Weight	195 g/m2	
Absorbency		
Sorptive Capacity	340 ml/m2	IENT-RP-CC004.4, Section 9.1
Sorptive Rate	0.4 second	