

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**).

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
- Durable and abrasion resistant wiper that will not easily break up particles and fibers during use
- 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
- Presaturated products use USP-Grade IPA

Storage Conditions:

- Store at ambient conditions (59°F (15°C) - 86°F (30°C))

SEALED
BORDER



Slider flat bag

Flat bag

Resealable ESD bag

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)	600/Pack (2 bags of 300), 10 packs/case, Total 6000 wipes/case
TC3MFB1-99	Microfiber Knit Wiper with Sealed Border, 9"x9" (23 cm x 23 cm)	100/Pack (2 bags of 50), 10 Packs/case, Total 2000 wipes/case
TC3MFBW-99	Microfiber Woven Wiper with Sealed Border, 9"x9" (23 cm x 23 cm)	150/pack (2 bags of 75), 10 packs/case, Total 1500 wipes/case
TC3MFBW-12	Microfiber Woven Wiper with Sealed Border, 12"x12" (30 cm x 30 cm)	100/pack (10 bags of 10), 10 packs/case, Total 1000 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 ESD 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/slider flat bag, 15 bags/case, Total 750 wipes/case

MicroClean™ Pro Presat ESD		
Part Number	Description	Packaging
TS3MBW170S-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 ESD bag, 5 bags/case, Total 500 wipes/case

Performance Characteristics	Typical Value	Test Method
Particles and Fibers		
LPC >0.50 µm	6 x 10 ⁶ particles/m ²	IEST-RP-CC004.4, Section 7.2.1
Fibers >100 µm	300 fibers/m ²	IEST-RP-CC004.4, Section 7.2.2
Nonvolatile Residue		
IPA Extractant	0.07 g/m ²	IEST-RP-CC004.4
DI Water Extractant	0.015 g/m ²	
Extractable Ions		
Sodium (Na ⁺)	0.02 ppm	IEST-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/m ²	
Absorbency		
Sorptive Capacity	340 ml/m ²	IEST-RP-CC004.4, Section 9.1
Sorptive Rate	0.4 second	