

Teknipure®

Teknipure.com

MicroZorb™ Cleanroom Wipers

Microfiber Non-Woven

MicroZorb™ wipers are made in cleanroom conditions from a **polyester/nylon microfiber nonwoven material** and offer softness, durability and great cleaning capabilities, capturing smallest particles and fibers and retaining them inside the wiper.

Teknipure offers dry microfiber nonwoven wipers, sterile and non-sterile (MicroZorb™), as well as pre-saturated with 70% IPA/30% DIW and 100% IPA (MicroZorb™ Presat).

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 microfiber material is ideal for cleaning sensitive surfaces in cleanroom environments
- Excellent chemical compatibility with a variety of cleaning and disinfecting solutions
- 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
- MicroZorb™ Presat products are pre-saturated with USP-Grade IPA or Semiconductor-Grade IPA, meeting stringent standards for critical environments
- Sterile products are validated to a sterility assurance level of 10⁻⁶ according to AAMI guidelines
- Low Endotoxin products provide guaranteed endotoxin level of ≤ 0.25 EU/mL



Industries:

- Pharmaceutical / Biologics
- Medical Device / Optics
- Laboratories / Academia
- Semiconductor / Microelectronics
- 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

Storage Conditions:

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

MicroZorb™

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MicroZorb™		
Part Number	Description	Packaging
TZ1MF-44	Microfiber Nonwoven Wiper, 4"x 4" (10 cm x 10 cm)	600 wipes/bag, 10 bags/case, Total 6000 wipes/case
TZ1MF-99	Microfiber Nonwoven Wiper, 9"x 9" (23 cm x 23 cm)	150 wipes/bag, 10 bags/case, Total 1500 wipes/case
TZ1MF-12	Microfiber Nonwoven Wiper, 12"x 12" (30 cm x 30 cm)	150 wipes/bag, 10 bags/case, Total 1500 wipes/case
TZ1MF-257	Microfiber Nonwoven Wiper, 7" x 25" (18 cm x 64 cm), Flat Stacked	50 wipes/bag, 20/bags/case, Total 1000 wipers/case
TZ1MFB-1117	Microfiber Nonwoven Wiper, 11"x17" (28 cm x 43 cm)	50 wipes/bag, 30 bags/case, Total 1500 wipers/case
TZ1MF-99S	Sterile Microfiber Nonwoven Wiper, 9"x 9" (23 cm x 23 cm)	125/pack (5 bags of 25), 6 packs/case, Total 750 wipes/case
TZ1MF-12S	Sterile Microfiber Nonwoven Wiper, 12"x 12" (30 cm x 30 cm)	100/pack (4 bags of 25), 5 packs/case, Total 500 wipes/case
TZ1MF-99SLE	Sterile Microfiber Nonwoven Wiper, Low Endotoxin, 9" x 9" (23 cm x 23 cm)	125 wipes/pack (5 bags of 25), 6 packs/case, Total 750 wipes/case
TZ1MF-12SLE	Sterile Microfiber Nonwoven Wiper, Low Endotoxin, 12"x 12" (30 cm x 30 cm)	100 wipes/pack (4 bags of 25), 5 packs/case, Total 500 wipes/case

MicroZorb™ Presat		
Part Number	Description	Packaging
TS1MFI70-99	Microfiber Nonwoven Wiper, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	30 wipes/bag, 24 bags/case, Total 720 wipes/case
TS1MFI100-99	Microfiber Nonwoven Wiper, Presaturated with 100% IPA, 9"x 9" (23 cm x 23 cm)	50 wipes/bag, 24 bags/case, Total 1200 wipes/case
TS1MFI70-99S	Sterile Microfiber Nonwoven Wiper, Presaturated with 70% IPA/30% DIW, 9"x 9" (23 cm x 23 cm)	30 wipes/bag, 24 bags/case, Total 720 wipes/case

Performance Characteristics	Typical Value	Test Method
Particles and Fibers		
LPC >0.50 µm	43 x 10 ⁶ particles/m ²	IEST-RP-CC004.4, Section 7.2.1
Fibers >100 µm	229 fibers/m ²	IEST-RP-CC004.4, Section 7.2.2
Nonvolatile Residue		
IPA Extractant	0.039 g/m ²	IEST-RP-CC004.4
DI Water Extractant	0.016 g/m ²	
Extractable Ions		
Sodium (Na ⁺)	13.8 ppm	IEST-RP-CC004.4, Section 8.2.2
Potassium(K ⁺)	13.7 ppm	
Chloride (Cl ⁻)	14.1 ppm	
Physical Characteristics		
Material	70% Polyester/30% Nylon	ASTM D3776
Basis Weight	81 g/m ²	
Absorbency		
Sorptive Capacity	330 ml/m ²	IEST-RP-CC004.4, Section 9.1
Sorptive Rate	<1 second	