

MicroClean™ Cleanroom Wipers

Microfiber Woven/Knit Sealed Edge

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

Available dry (MicroClean™) and presaturated with 100% IPA (MicroClean™ Presat).

Applications:

- Wiping and streak-free cleaning of 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 edge wipers provide low levels of particles and fibers and are suitable for use in most critical cleanroom environments
- 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™

Cleanroom Wipers

Microfiber Woven/Knit Sealed Edge

| MicroClean™ | | |
|-------------|--|--|
| Part Number | Description | Packaging |
| TC2MFU1-99 | Microfiber Knit Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm) | 100 wipes/bag, 2 bags/pack, 10 packs/case, Total 2000 wipes/case |
| TC2MFUW-44 | Microfiber Woven Wiper with Sealed Edge, 4"x4" (10 cm x 10 cm) | 400 wipes/bag, 20 bags/case, Total 8000 wipes/case |
| TC2MFUW-66 | Microfiber Woven Wiper with Sealed Edge, 6"x6" (15 cm x 15 cm) | 150 wipes/bag, 20 bags/case, Total 3000 wipes/case |
| TC2MFUW-99 | Microfiber Woven Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm) | 100 wipes/bag, 20 bags/case, Total 2000 wipes/case |
| TC2MFUW-12 | Microfiber Woven Wiper with Sealed Edge, 12"x12" (30 cm x 30 cm) | 100 wipes/bag, 10 bags/case, Total 1000 wipes/case |
| TC2MFW-99 | Microfiber Woven Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm) | 100 wipes/bag, 10 bags/case, Total 1000 wipes/case |
| TC2MFW-12 | Microfiber Woven Wiper with Sealed Edge, 12"x12" (30 cm x 30 cm) | 100 wipes/bag, 10 bags/case, Total 1000 wipes/case |

| MicroClean™ Presat | | |
|--------------------|---|---|
| Part Number | Description | Packaging |
| TS2MWI100Z-99 | Microfiber Woven Wiper with Sealed Edge Presaturated with 100% IPA, 9" x 9" (23 cm x 23 cm) | 100/pack, 10pks/Case, Total 1000 wipes/case |

| Performance Characteristics | Typical Value | Test Method |
|-----------------------------|-------------------------|--------------------------------|
| Particles and Fibers | | |
| LPC >0.50 µm | 8 x 106 particles/m2 | IEST-RP-CC004.4, Section 7.2.1 |
| Fibers >100 µm | 450 fibers/m2 | IEST-RP-CC004.4, Section 7.2.2 |
| Nonvolatile Residue | | |
| IPA Extractant | 0.07 g/m2 | IEST-RP-CC004.4 |
| DI Water Extractant | 0.015 g/m2 | |
| Extractable Ions | | |
| Sodium (Na+) | 0.052 ppm | IEST-RP-CC004.4, Section 8.2.2 |
| Potassium(K+) | 0.018 ppm | |
| Chloride (Cl-) | 0.028 ppm | |
| Physical Characteristics | | |
| Material | 80% Polyester/20% Nylon | ASTM D3776 |
| Basis Weight | 167 g/m2 | |
| Absorbency | | |
| Sorptive Capacity | 300 ml/m2 | IEST-RP-CC004.4, Section 9.1 |
| Sorptive Rate | 0.4 second | |