

Microfiber Cleanroom Wiper
INOX-1008



Cleanroom & ESD Wipers



Microfiber Cleanroom Wiper New

A High-Performance Wiper for Critical Applications

The Microfiber Wiper, INOX-1008, represents the next generation of cleaning solutions, carefully designed to meet the high standards of modern high-tech industries. This product offers comparable performance to leading wipers such as S***na MX, making it a reliable and cost-effective alternative for cleanrooms and other sensitive environments. Engineered with a high-density structure, it delivers superior cleaning performance and durability to meet the most strict cleanliness standards.

Unlike many other typical microfiber wipers that use 75 denier, 36-filament fabric, our Microfiber Wiper is made with 75 denier, 48-filament fabric, resulting in a significantly higher density. This advanced structure ensures enhanced cleaning efficiency, outperforming conventional wipers.

Technical Specifications

Item	Unit	Specifications
Material	-	Knitted Polyester + Micro Denier Nylon (High Density)
Cutting		By Laser
Size	inch	9 x 9, 5 x 5
Weight	g/m ²	Min. 180
Thickness	mm	0.45 ± 0.03
Air Particles	ea/sh(≥0.3μm)	Max. 30 (9"x9")
Absorption Amount	g/m ²	Min. 350
Absorption Rate	sec	Max. 10
Cleanroom Grade	-	Class 100 (ISO 5)



Model	Item Code	Size
Inox-1008	M02W-041	9" × 9"
	M02W-042	5" × 5"

Features

- High-Density Construction
- Negligible Lint Generation
- Excellent Water Absorbency
- Low Ion Dissolution
- Exceptional Cleaning Power

Applications

Ideal for critical environments such as:

- Semiconductor and LCD manufacturing.
- Laboratories requiring strict dust control.
- Cleanrooms for pharmaceutical and medical device production.

Microfiber Woven Wiper New

Technical Specifications

Item	Unit	Specifications
Material	-	Polyester 80% + Micro Denier Nylon 20% (Woven type)
Cutting		By Laser
Size	inch	9 x 9, 5 x 5
Weight	g/m ²	Min. 120
Thickness	mm	0.3 ± 0.26
Air Particles	ea/sh(≥0.3μm)	Max. 30 (9"x9")
Absorption Amount	g/m ²	Min. 230
Absorption Rate	sec	Max. 10
Cleanroom Grade	-	Class 100 (ISO 5)



Model	Item Code	Size
Inox-1002	M02W-039	9" × 9"
	M02W-040	5" × 5"

Polyester Knit Wiper

Features

- 100% Polyester continuous yarn
- Cost-effective solution
- Good absorption capacity
- Low particle generation
- Double packed in Class 100~1000 Cleanroom

Model	Item Code	Size
Inox-3140	M01W-025	9"×9"
	M01W-039	6"×6"
	M01W-038	4"×4"
	M01W-037	2"×2"
Inox-3070	M01W-026	9"×9"



Micro-Denier Fiber Wiper

Features

- Excellent wiping without scratches
- Extremely low non-volatile residues and ions
- Excellent absorption capacity
- Suitable for sensitive surface by its soft texture
- Double packed in Class 10~100 Cleanroom



Model	Item Code	Size
Inox-1003	M02W-004	9"×9"
	M02W-005	6"×6"
	M02W-006	4"×4"



Model	Item Code	Size
Inox-1006	M02W-007	9"×9"
	M02W-008	6"×6"
	M02W-009	4"×4"



Model	Item Code	Size
Inox-1050	M02W-027	9"×9"



Model	Item Code	Size
Inox-1080	M02W-028	9"×9"



Item Code	Size
M06W-020	9"×9"
M06W-021	6"×6"
M06W-022	4"×4"

Differences between microfiber wipers and polyester wipers

Materials

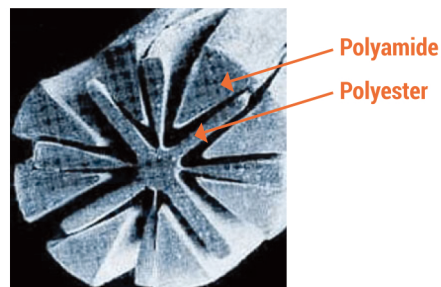
Microfiber wipers: microscopic polyester(70~80%) and polyamide(20~30%) fiber
Polyester wipers: 100% polyester yarn

Touch

Microfiber wiper is much softer than Polyester wiper.

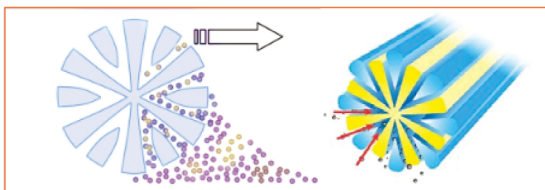
Absorbency

Microfiber wiper has a better absorbency thanks to its unique fiber structure.

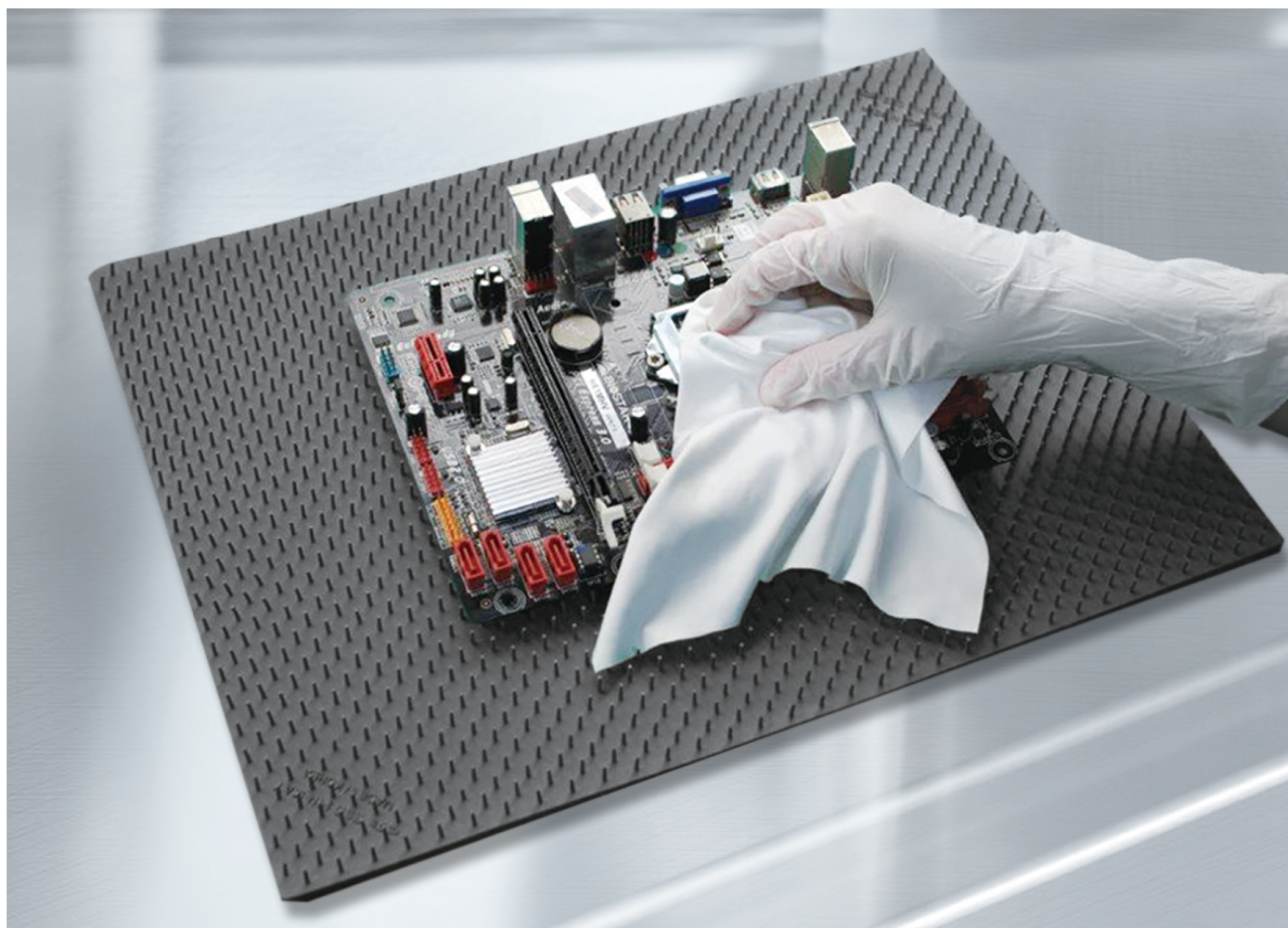
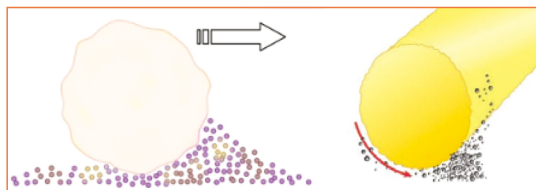


The Cross Section of a single fiber

① Microfiber



② Polyester fiber



PVA Sponge Wiper

What is a PVA Sponge?

The PVA Sponge is a kind of wiper that is composed of uniform and continuous foamed open cells made by aged Poly Vinyl Alcohol as a raw material. The PVA Sponge has an excellent chemical resistance. It is lint & dust free and soft. The PVA Sponge can be used in many industries, such as a sophisticated cleaning sector in semiconductor industry or health & beauty industries. With being able to adjust its absorption, elasticity, size, density, color and shape, PVA sponge is highly versatile, which easily fits in any industrial fields.

Features

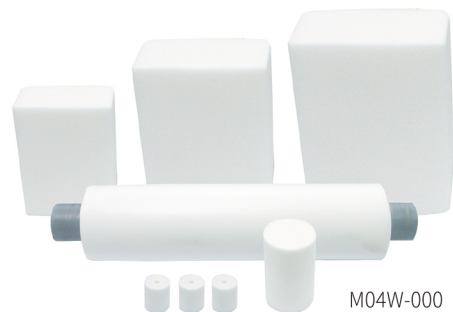
- Excellent ability to remove moisture due to a strong hydrophilic properties, allowing it to absorb water more than 10 times of its own weight.
- Soft and elastic in wet texture • No lint or dust is generated during the cleaning.
- Excellent chemical resistance & abrasion resistance

General use (sheet or blocks)

Widely used in various industrial fields, such as Cleanroom, PCB, Glass, Mirror, Optical instrument and many others. Other types (block, roller, sheet, etc.) are available.



Packing 2 mm (T) x 9" x 9" 10 sheets/pack, 20 packs/ctn



Used in FPD & Semiconductor industries

Cleaning wafer surface after Chemical Mechanical Polishing (CMP) process.



PVA Sponge Roller (Embossing Type)



PVA Sponge Roller (Flat Type)



PVA Sponge Roller (Spur Type)



PVA Sponge Roller (Disk Type)

Non-Woven Wiper

Features

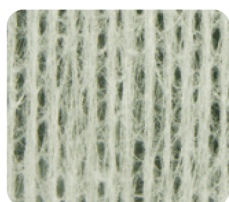
- High absorbency
- Low particle generation & non-volatile residues

Applications

- Pre-cleaning for spare parts of equipment • Cleanroom wall
- Cleanroom access floor • Applicable for cleanroom environments



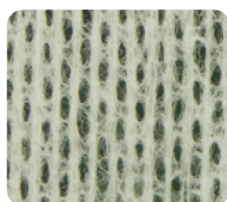
M05W-000



M05W-009



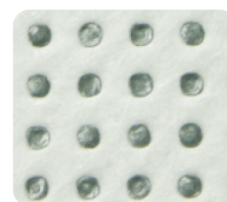
M05W-010



M05W-011



M05W-012



M05W-013

Item Code Parts No.		M05W-009		M05W-010		M05W-011		M05W-012		M05W-013	
General Information		2025		2125		2225		2323		2429	
Weight	g/m ²	30	± 3	30	± 3	35	± 3	68.2	± 3	80	± 3
Thickness	mm	0.25	± 0.02	0.25	± 0.02	0.3	± 0.02	0.264	± 0.02	0.5	± 0.01
Width	mm	250	± 2	250	± 2	250	± 2	230 (9")	± 2	290	± 2
Length	mm	250	± 2	250	± 2	250	± 2	230 (9")	± 2	300	± 2
Compositions	%	Rayon 70 PET 30		Rayon 70 PET 20 / *LMP 10		Rayon 100		Polyester 45 Cellulose 55		PP Non-Woven 100	
Standard Packing		100pcs/bag 30bags/carton		100pcs/bag 30bags/carton		100pcs/bag 30bags/carton		300pcs/bag 10bags/carton		50pcs/bag 10bags/carton	

Vital Statistics		*LMP(Low Melt Polyester)									
Fibers	(ea/m ²)	9.5		9.2		< 30		-		3.2	
Particles	≥ 0.3μm	-		-		20-50	Biaxial Shake	-		-	
	≥ 0.5μm	25	Biaxial Shake	13	Biaxial Shake	250	LPC	7×10 ⁸	TM-107 (Air)	≥ 30	Biaxial Shake
	cu.ft	980	Helmke Drum	83	Helmke Drum	-		-		-	
Absorbency	cc/m ² , sec.	337		313		380		< 4	TM-108 (sec.)	320	
Time to 1/2 sorption	sec	2		2		1		-		2	
2-Propanol	%	0.011		0.017		0.017		-		0.017	

Ions											
Na	ppm	98		99		23		61		25.34	
K	ppm	8.5		9.1		0.7		7		4.18	
Ca	ppm	ND		ND		< 0.15		-		1.13	
Mg	ppm	ND		ND		-		-		0.25	
Cl	ppm	-		-		5.3		18		15.99	
NO2	ppm	-		-		-		-		4.45	
NO3	ppm	-		-		-		-		7.83	
SO4	ppm	-		-		-		-		21.02	
NH3	ppm	-		-		-		-		5.42	
Fe	ppm	-		-		-		-		0.15	
Cu	ppm	-		-		-		-		0.1	
Al	ppm	-		-		-		-		0.098	
Ni	ppm	-		-		-		-		ND	
Zn	ppm	-		-		< 0.15		-		0.15	
Mn	ppm	-		-		-		-		0.15	
Residue/Water	ppm	-		-		180		-		0.10	
Residue/IPA	ppm	-		-		50		-		-	