

# MiraWIPE® Wipers







*cleaning critical surfaces*



## Description

MiraWIPE® is constructed from a continuous filament micro denier polyester, super soft textile resulting in enhanced absorbency and contamination pickup versus traditional polyester wipers. Woven from a no-run, no-stretch textile to minimize In-Use Particles from the face and edge of the wiper. Cleanroom washed and packed, MiraWIPE® is available in configurations to meet Class 1-1000 applications.

## Advantages

-  **Unsurpassed cleaning efficiency.** By using unique woven fiber construction, particle and organic pickup from glass, plastic, metal, ceramic and metal to metal surfaces is dramatically enhanced.
-  **Reduces cleaning time.** Designed to improve particle removal from textured and porous ceramic, anodized aluminum and stainless steel surfaces
-  **Delivers cleaner tools.** No-Stretch woven construction leads to less abrasion generated particle generation and increased edge integrity during wiping
-  **Extremely low particle, extractable, and ionic levels**
-  **Titanium-free** for advanced wafer fab cleaning applications and available with true sealed edge
-  **First microfiber wiper compatible with Class 1 clean room.**

## Applications

- Ideal wiper to clean monomer off CD/DVD mirror blocks
- Engineered to clean trace residues and contamination from Vacuum Chambers so as to minimize tool downtime
- Ideal for cleaning scratch sensitive surfaces such as plastics, optics, and Electro Static Chucks
- Excellent general purpose cleanroom wiper for Semiconductor, Medical Device and Hard Disk Drive manufacturers

## Part Number

Part No.	Processed	Packaging Style	Edge
HT5790S	Class 100	Flat pack	Wide seal
HT5790	Class 100	Flat pack	Heat sealed
HT5790SB	Class 1000	Bulk random pack	Wide seal
HT5790B	Class 1000	Bulk random pack	Heat sealed
HT5790 Series are 9" x 9" and packaged 150 wipers/bag, 8 bags/case.			
HT5740B	Class 1000	Bulk random pack	Heat sealed
HT5740 Series are 4" x 4" and packaged 600 wipers/bag, 10 bags/case.			



Heat Sealed Edge-HT5790



Wide Sealed Edge-HT5790S

## Cleanliness

	<u>HT5740B</u>	<u>HT5790B</u>	<u>HT5790SB</u>	<u>HT5790</u>	<u>HT5790S</u>
<b>Particle Generation</b> via LPC > .3 $\mu$ m particle size/cm <sup>2</sup>					
Biaxial Shake Test	<30	<25	<17	<17	<9
Helmke Drum Test	<30	<25	<17	<17	<9
<b>Ion Count of Extractibles</b>	PPM				
Anions					
Bromide	<5	<.01	<.01	<.01	<.01
Chloride	<5	.0094	.0094	.0094	.0094
Fluoride	<5	.0218	.0218	.0218	.0218
Nitrate	<5	.0218	.0218	.0218	.0218
Nitrite	<5	.0218	.0218	.0218	.0218
Phosphate	<5	.0218	.0218	.0218	.0218
Sulfate	<5	<.06	<.06	<.06	<.06
Cations					
Ammonium	<5	<.001	<.001	<.001	<.001
Calcium	<5	<14	<14	<14	<14
Lithium	<5	<1	<1	<1	<1
Magnesium	<5	<2	<2	<2	<2
Potassium	<5	<13	<13	<13	<13
Sodium	<5	<5	<3	<3	<3
Titanium	5ND				
<b>Non-Volatile Residue</b>					
DI Water	< .1 g/m <sup>2</sup>				
IPA	< .185 g/m <sup>2</sup>				

## Absorptive Capacity

Basis Weight	128 g/m <sup>2</sup>
Extrinsic Sorbency	286 ml/m <sup>2</sup>
Intrinsic Sorbency	2.22 ml/g
Absorptive Rate	< 1 second



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