





# UltraSOLV®



## Wipers & Sponges

UltraSOLV® is a highly absorbent, Class 10 Wiper constructed from a naturally reticulated, hydrophilic, polyurethane foam. Using Foamtec's patented cleaning process and foam technology, UltraSOLV® Wipers are ideal for cleaning critical tools and assemblies. Available as a sponge for use with UltraSOLV® ScrubPADs on wet cleans.

### ADVANTAGES

-  The unique abrasion resistance and conformable characteristics of UltraSOLV® allow it to clean rough, coarse and bead blasted surfaces that will snag traditional polyester wipers.
-  Low levels of particle generation, ionics, organics, lot-to-lot consistency and fiber free construction combined with unsurpassed contamination removal properties make it the ideal tool for the cleaning of critical process equipment.
-  Sponge-like properties allow for excellent pick up and release of fluids.
-  Excellent static dissipative and tribocharging properties allow for safe cleaning of static sensitive assemblies, such as wafer transfer chambers in vacuum tools.

PART NO.	DESCRIPTION	SIZE	UNITS/CASE
HT4734	Sponge, Pack of 1 Sponge per Bag - 100 Bags per Case	0.37" x 2.62" x 4.37"	100
HT4754	Sponge, Pack of 1 Sponges per Bag - 100 Bags per Case	0.375" x 3.625" x 5.375"	100
HT4790	Wiper, Pack of 50 Wipers per Bag - 30 Bags per Case	0.0625" x 9" x 9"	1500
HT4790-5	Wiper, Pack of 5 Wipers per Bag - 200 Bags per Case	0.0625" x 9" x 9"	1000
HT4971	Wiper, Pack of 50 Wipers per Bag - 25 Bags per Case	0.109" x 9" x 9"	1250
HT4794	Wiper, Pack of 75 Wipers per Bag - 30 Bags per Case	0.055" x 9" x 9"	2250
HT4794-25	Wiper, Pack of 25 Wipers per Bag - 50 Bags per Case	0.055" x 9" x 9"	1250



**Foamtec  
International**

Wilshire Contamination Control Division

1.866.922.7160 (USA Toll-Free)

1.760.599.7160 (USA & Europe)

66.35740717 (Thailand)

[www.foamtecintlwc.com](http://www.foamtecintlwc.com)

## CLEANLINESS

### PRODUCT CLEANLINESS

	LPC at 0.5 µm and larger	Particles/Fibers > 25µm
HT4790	< 3,600,000 particles/m <sup>2</sup>	0
HT4754	< 20,000,000 particles/m <sup>2</sup>	0

### TNVRs

DI Water < 100 µg/g	IPA < 0.7 g/m <sup>2</sup>	
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### IONS IN DI H<sub>2</sub>O

Chloride < 6 µg/cm <sup>2</sup>	Sulfate < 1 µg/cm <sup>2</sup>	Nitrate < 2 µg/cm <sup>2</sup>
Calcium < 4 µg/cm <sup>2</sup>	Sodium < 4 µg/cm <sup>2</sup>	Potassium < 2 µg/cm <sup>2</sup>
Magnesium < 1 µg/cm <sup>2</sup>		

## ESD PERFORMANCE

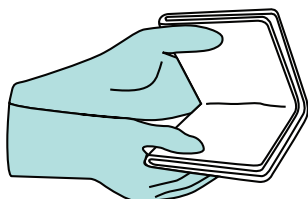
Surface Resistance	1.7 x 10 <sup>9</sup>
Volume Resistance	1.1 x 10 <sup>10</sup>
Electrostatic Decay	± 5 kv to ± 10 volts < 1.5 seconds
Tribocharge	Less than 8 volts when wiped dry across stainless, aluminum, polypropylene and polyamide surface materials

*All measurements performed at 50% RH*

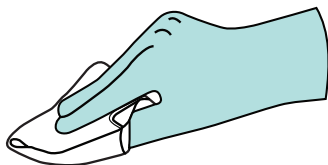
## METHODS OF USE

### To Maximize Usage of Wiper:

- Use with IPA Solvent: Apply a thin stripe of IPA, using a Needle-Nosed squeeze bottle, to the area just behind the rounded fold. Do not over wet Wiper.
- Use with DI Water: Fully saturate by applying a quarter-sized amount of DI Water to the center of an unfolded Wiper, wring to ensure proper absorption, repeat until completely wetted.



**Step 1:** Quarter-Fold Wiper after wetting with DI Water. For use with IPA, Quarter-Fold prior to wetting.



**Step 2:** With all four fingers on top and the thumb on the underside of the Wiper, pull it across the surface of the tool using very light pressure.

**UltraSOLV®** ★

*All products are lot tested.  
Lot certificates available upon request.*