

### Description:

FirmWIPE® is constructed from an open-cell ester-based polyurethane foam which has undergone a special felting process. Offering fiber-free wiping in applications where durability and fast wicking, without dripping, are desirable. Available in both Class 100 and Class 1000 configurations. Due to its ability to conform to metal mask surfaces, FirmWIPE® enables excess paste to be thoroughly removed while minimizing abrasion to the emulsion. Its unique pore structure makes it ideal for cleaning metal masks used to print LTCC components, capacitors, EL, OLED, and Plasma Display Panels.

Cleanliness		
	Class 100	Class 1000
<b>Particle Generation (0.5µ) via Wet Test (millions/m<sup>2</sup>)</b>	< 4.5 x 10 <sup>6</sup> m <sup>2</sup>	< 2.5 x 10 <sup>7</sup> m <sup>2</sup>
<b>Absorbency (ml/m<sup>2</sup>) via Isopropyl Alcohol</b>	≤ 3000	
<b>Time to 1/2 Absorption (seconds)</b>	5 ≤	
<b>Extractables (ppm) via Deionized Water</b>	≤ 10	≤ 20
<i>Tested via standard IEST methods</i>		

### Advantages:

- Open-cell polyurethane structure allows for fiber-free wiping.
- Excellent pick-up of Thick Film inks and solder paste.
- High density construction and sponge-like properties make it ideal for particle sensitive metal mask cleaning operations.
- High incineration rate to yield low ash for precious metal reclamation in Thick Film applications.
- Open-cell, felted foam structure allows for controlled transfer of solvent to optimize cleaning of Thick Film screens.
- Ester-based chemistry and felted construction enable broad solvent compatibility.
- Uniform porosity allows for excellent contamination pickup.

Part No.	Dimensions	Process	Quantity/Bag	Quantity/Case
HT4331	0.375" x 2" x 3"	Class 100	10 Wipers/Bag	100 Bags/Case (1000 Wipers)
HT4369	0.375" x 7.9" Diameter	Class 100	1 Disk/Bag	100 Bags/Case (100 Disks)
HT4375	0.375" x 11" Diameter	Class 100	1 Disk/Bag	20 Bags/Case (20 Disks)
HT4324	0.062" x 26" Diameter	Class 100	10 Disks/Bag	2 Bags/Case (20 Disks)