

**Description:**

Tooling such as epoxy dispensers, hand tools, and blades are routinely contaminated with adhesives and silicones. When cleaned with traditional polyester and non-woven "lint-free" wipers these tools become contaminated with fibers which cross-contaminate medical devices.

FirmWIPE's is a high strength cleanroom sponge designed to improve contamination control in ISO 7 cleanrooms. FirmWIPE is a durable, tear-resistant polyurethane foam that has very fast wicking of solvents and viscous fluids. FirmWIPE is ideal for high frequency and repetitive cleaning of medical-grade silicone and adhesives from hand tools, scalpels, and epoxy dispensing tips. FirmWIPE is free of Sulphur and amines, so it will not inhibit platinum silicone curing.

FirmWIPE's felted construction and ultra-fine porosity enable repeated tooling and surfaces with excess adhesive or silicone to wiper consumption and operator time. Further enhancing productivity is FirmWIPE's high-density design, which allows operators to clean devices one-handed as the sponge will not slide on the work surface.

FirmWIPE is engineered with fully cross-linked polyurethane foam to eliminate fiber contamination from cleanrooms highly susceptible to foreign material( FM) defects. FirmWIPE is processed and laundered to pass ISO 10993 cytotoxicity and pyrogen specifications.

**Advantages:**

- Compatible with cleaning applications requiring exposure to solvents such as hexane, heptane, toluene, dichloromethane, xylene and IPA.
- Open-cell, felted foam structure allows for controlled transfer of fluids to optimize solvent bonding processes.
- Ester-based chemistry and felted construction meet biocompatibility requirements for cleaning implantable devices.
- Fully traceable back to raw material with lot certificates and test data.
- Processed, washed and packed in FDA registered, Iso 13485 facility.

Cleanliness		
	Class 100	Class 1000
<b>Particle Generation (0.5µ) via Wet Test (millions/m²)</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/m²) 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>		

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)



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