

*cleaning critical surfaces*




# PolyCHECK® Wipers & Swabs



## Description

PolyCHECK® Wipers and Swabs are designed to allow engineers and technicians to validate the cleanliness of critical surfaces. PolyCHECK® Wipers are fabricated from a black fabric in order to enable the identification of white or opaque colored particles. PolyCHECK® Swabs employ a white fabric on one side and a black fabric on the other side in order to give clean room professionals a unique particle detection tool. Ideal when used in conjunction with SEM Analysis.

## Advantages

-  Eliminates the need to contact SEM stubs and tape to critical chamber surfaces.
-  Allows for faster analysis of particle sources during tool excursion events.
-  Perfect for defect analysis involving SEM stubs.



## Applications

- ◆ Ideal for Go/No Go validation checks in vacuum maintenance procedures.
- ◆ Excellent general purpose cleanroom wiper for Semiconductor, Medical Device, FPD and Hard Disk Drive manufacturers.
- ◆ PolyCHECK® Swabs enable frequent inspections to monitor for particles that may back scatter into process chambers.

## Part Numbers

| Part No.    | Description      | Size                   | Bag/Case Qty       |
|-------------|------------------|------------------------|--------------------|
| HT5291K-5   | PolyCHECK® Wiper | 9" x 9"                | 5/Bag, 200 Bags/Cs |
| HT5291K     | PolyCHECK® Wiper | 9" x 9"                | 50/Bag, 24 Bags/Cs |
| HT1501FCW-5 | PolyCHECK® Swab  | 6" Flexible Paddle Tip | 5/Bag, 100 Bags/Cs |
| HT1501FZW-5 | PolyCHECK® Swab  | 6" Paddle Tip          | 5/Bag, 100 Bags/Cs |
| HT1587FZW-5 | PolyCHECK® Swab  | 5" Square Tip          | 5/Bag, 100 Bags/Cs |



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

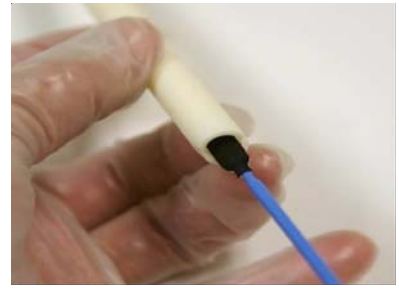
Rev. E

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## Cleanliness Specifications



HT5291K - PolyCHECK™ Wiper



HT1501FCW - PolyCHECK™ Swab

|                                          | <u>Wiper</u>                   | <u>Swab</u>        |
|------------------------------------------|--------------------------------|--------------------|
| Particle generation via LPC              | >.5 micron                     | >.5 micron         |
| >.3micron particles/m <sup>2</sup>       | 1500 particles/cm <sup>2</sup> | <700 particles/Tip |
| Ion Count of Extractibles                | PPM                            | Micrograms/Tip     |
| Sulfate                                  | <.05                           | <.8                |
| Chloride                                 | <.05                           | <.9                |
| Fluoride                                 | <.02                           | <.02               |
| Non-Volatile Residue (g/m <sup>2</sup> ) |                                |                    |
| DI Water                                 | <.5                            | <.3                |
| IPA                                      | <1.5mg/g                       | <1                 |
| Silicon/Amide Free                       | Pass                           |                    |

## Absorptive Capacity Specifications

|                                   |     |
|-----------------------------------|-----|
| Basis Weight ( g/m <sup>2</sup> ) | 120 |
| Absorbency ( ml/m <sup>2</sup> )  | 190 |
| Absorptive Rate ( ml/g)           | 3.2 |



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