

ESD Safe UltraSOLV® 1900 and 1900X Series Swabs

cleaning critical surfaces



UltraSOLV® Tip
Out-of-the-Bag



Competitor A (Compressed
Cotton Tip) Out-of-the-Bag



Competitor B (100PPI)
Out-of-the-Bag



UltraSOLV® Tip After HSA
Swabbing



Competitor A After HSA
Swabbing







Competitor B After HSA
Swabbing



Description

ESD Safe UltraSOLV® 1900 Series Swabs provide streak-free cleaning of static sensitive components. Excellent absorbency maximizes particle and residue removal from components. The UltraSOLV® foam tip offers excellent abrasion resistance, minimizing particle generation due to abrasion when cleaning sharp or rough surfaces such as suspensions, flex circuit bonding pads and sliders. UltraSOLV® foam generates < 5 volts of tribocharge on commonly used HDD Slider surfaces.

Advantages

-  Excellent absorbency and abrasion resistance reduces contamination when cleaning sharp or rough surfaces such as suspensions, sliders, HGAs and HSAs. (See pictures at right)
-  Extremely low ionic and NVR Levels
-  Both the swab tip and handle are static dissipative
-  Low tribocharge, less than 5 volts dry

ESD Performance

Tribocharging: Tip will not tribocharge commonly used sliders and suspensions.

Dissipation: ± 1000 volts to 10 volts in less than 1 second at 50% RH

Volume Resistivity: 1900 Static Dissipative Swabs - Handle - 10⁸
1900X Conductive Swabs - Handle - 10⁴

UltraSOLV® Tip - 10¹⁰
UltraSOLV® Tip - 10¹⁰

Cleanliness

Particles: Less than 2000, .5µ to .25µ particles per swab

TNVRs: (Total Non-Volatile Residue): µg / swab

NVR (DI Water) < 0.15 **NVR (IPA)** < 0.40

Ionics: µg/swab




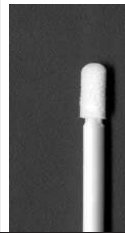




| | | | |
|----------|--------|-----------|--------|
| Chloride | < 0.90 | Magnesium | < 0.02 |
| Sodium | < 0.2 | Sulfate | < 0.06 |
| Fluoride | N/D | Nitrate | N/D |
| Bromide | N/D | Potassium | < 0.02 |
| Calcium | < 0.02 | | |



No Silicone, Amide, or Phthalates

Swab Models

cleaning critical surfaces

| Product Name | HT1902 | HT1914 | HT1929 | HT1930 | HT1932 | HT1948 | HT1949 | HT1950 |
|-------------------|--|---|---|---|--|---|---|---|
| |  |  |  |  |  |  |  |  |
| Head Material | UltraSOLV® Foam | | | | | | | |
| Head Thickness | 3.8 | 2.4 | 2.9 | 2.2 | 3.6 | 3.4 | 3.2 | 2.6 |
| Head Width | 4.1 | 2.4 | 3.8 | 3.7 | 3.6 | 3.4 | 3.3 | 2.6 |
| Head Length | 10.5 | 9.5 | 10.0 | 9.2 | 11.0 | 17.3 | 15.8 | 10.5 |
| Handle Material | 1900 Series - Modified Polypropylene 1900X Series - Polypropylene With Carbon Fiber | | | | | | | |
| Handle Diameter | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| Handle Length | 58.0 | 58.5 | 58.7 | 59.0 | 57.5 | 65.1 | 69.4 | 58.4 |
| Total Swab Length | 68.5 | 68.0 | 68.7 | 68.2 | 68.5 | 82.4 | 85.2 | 68.9 |
| Head Bond | Thermal | | | | | | | |
| Handle Color | Black | | | | | | | |
| Description | 3" Semi-Flexible, Bulb | 3" Semi-Flexible, Spear | 3" Flexible, Paddle | 3" Thin, Flexible, Paddle | 3" Rigid, Round | 3" Rigid, Large, Pointed | 3" Semi-Flexible, Arrow | 3" Rigid, Spear |

Available Packaging

| Static Dissipative Swab P/N | Conductive Swab P/N | Package Quantity UOM | Case Quantity UOM |
|-----------------------------|---------------------|----------------------|-------------------|
| HT1902-500 | HT1902X-500 | 500/Bag | 25 Bags/Case |
| HT1929-500 | HT1929X-500 | 500/Bag | 25 Bags/Case |
| HT1930-500 | HT1930X-500 | 500/Bag | 25 Bags/Case |
| HT1932-500 | HT1932X-500 | 500/Bag | 25 Bags/Case |
| HT1950-500 | HT1950X-500 | 500/Bag | 25 Bags/Case |

FOR TECHNICAL SUPPORT AND SITE TRAINING: Please contact our technical assistance services at 760.599.7160 or e-mail: info@foamtecintlwcc.com and our staff will arrange for a technical service engineer or a field sales engineer to assist you.



www.foamtecintlwcc.com

Rev.E

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