

Static Dissipative Swabs

**Product# 31040ESD, 36060ESD,
41050ESD, 44070ESD**

Product Description

Coventry™ Static Dissipative Technology Swabs have been engineered to eliminate static electricity concerns. The handle of these Coventry swabs are static dissipative. They are non-contaminating and have excellent solvent compatibility, even in acetone. These swabs are a perfect choice for cleaning static sensitive components and working around static sensitive parts. These handles are available with sealed foam or fabric swabs.

- Excellent solvent resistance due to durable alloy
- Surface resistivity of 1.0×10^{10} ohms/sq.
- Low ionic, nonvolatile residue, and particulate contamination
- No humidity dependency
- No amines or amides
- No silicones
- No static dissipative coatings
- No tribo-charge generated
- Handles will dissipate 99% of (5 kV) charge in 0.5 seconds

Compatibility

Fabric Swabs are generally compatible with most common solvents including dilute or weak acids.

Foam Swabs are compatible with most common solvents such as isopropyl alcohol and methanol. Foam swabs are typically not recommended for use with acetone or MEK.

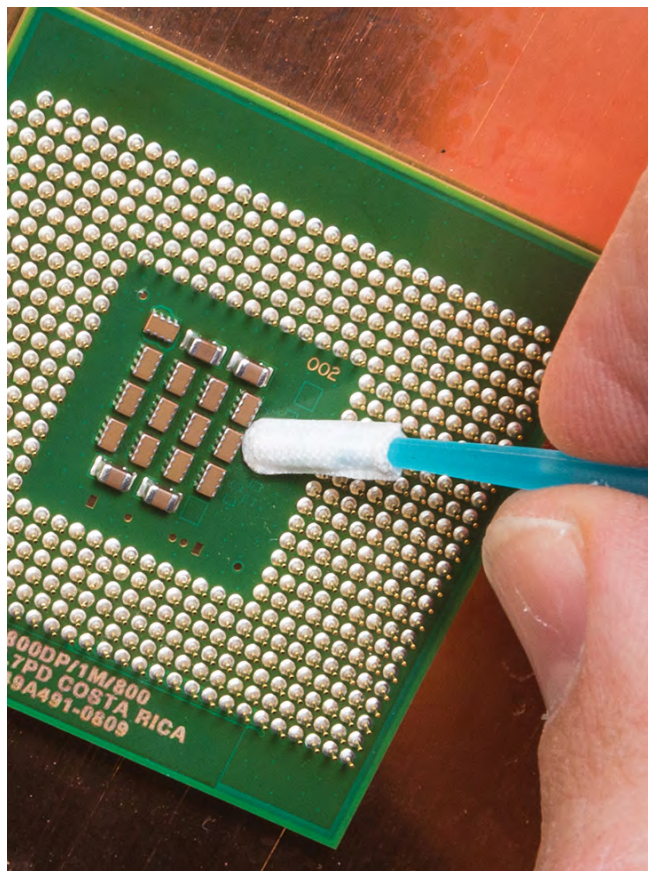
Sealed Fabric Swabs

- Proprietary single step sealing process
- Excellent strength and solvent compatibility
- Does not generate loose fibers or particles
- Head is thermoformed and welded to the handle; no adhesives or binders used
- Ultra-low ionic, nonvolatile residue, and particle contamination
- Aqua Prime™ processed available

Availability

31040ESD 2.8" (7.1 cm) blue handle,
0.12" (3.0 mm) knit polyester head,
500/ bag

36060ESD 5.8" (14.7 cm) blue handle,
0.21" (5.4 mm) knit polyester head,
500/ bag



Sealed Foam Swabs

- 100 pores per inch medical grade foam
- Traps surface particles while cleaning
- High solvent capacity; holds solvent well
- Fiberless construction does not generate loose fibers or particles
- Foam is thermally bonded to the swab; no adhesives or binders are used

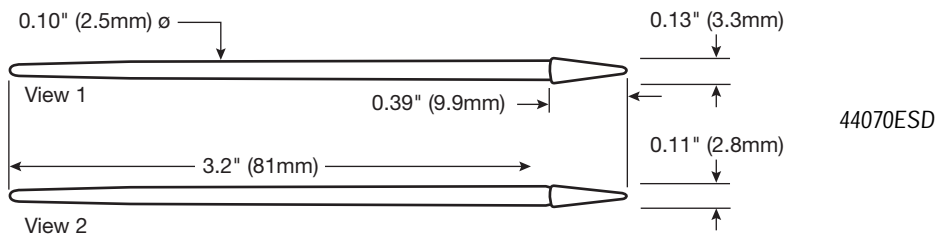
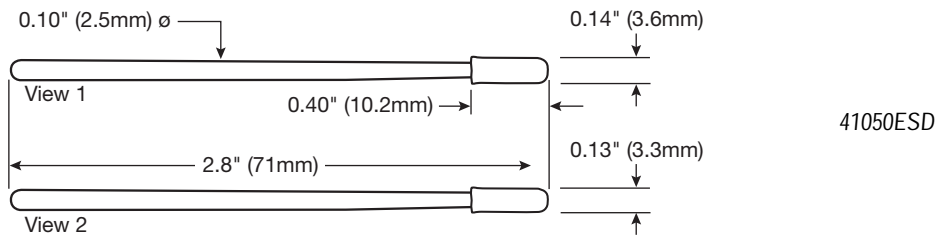
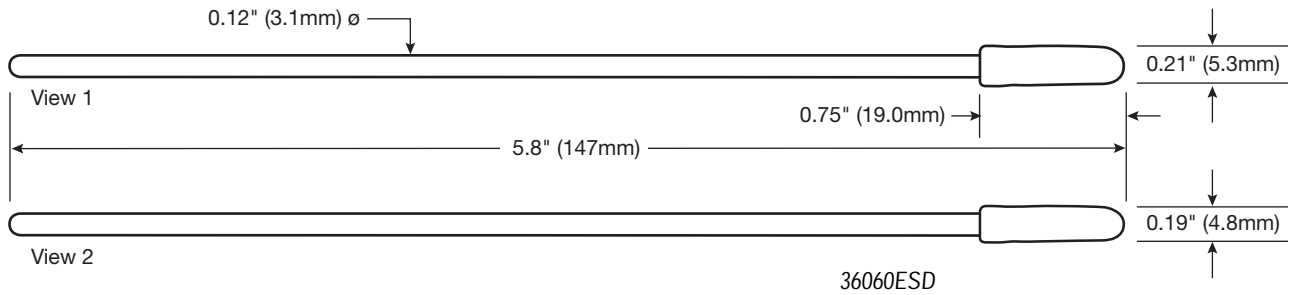
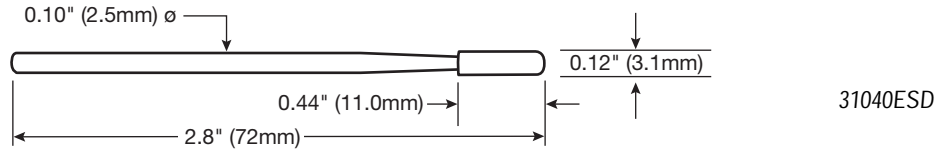
Availability

41050ESD 2.8" (7.1 cm) blue handle,
0.14" (3.5 mm) foam head, 500/ bag

44070ESD 3.2" (8.0 cm) blue handle, conical foam
head, 0.13" (3.3 mm) at base, 0.03" (0.76
mm) at tip, 500/ bag

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ESD Swabs Test Data

Head Material	Polyester Knit Fabric		
Swabs:	36060ESD	41050ESD	44070ESD
Particle Counts:			
0.5 - 1 um	685	571	1,867
1.0 - 2 um	189	96	336
2.0 - 5 um	58	37	71
5.0 - 10 um	30	31	31
10 - 25 um	19	19	15
Over 25 um	9	9	2
TOTAL	990	762	2,322
NVR (ug/swab)	none detected	none detected	
Chlorides (ug/swab)	none detected	1	0.21

The swabs were tested by Particle Measurement Technology. All the swabs tests were done using the recommended practices of the Institute of Environmental Science, Swabs and Wipes Working Group.

Test data not available for 41040ESD.

	ESD Handles
Surface Resistivity	10 ¹⁰ ohms/sq
Material	Polypropylene/Static Dissipative Copolymer Blend
Color	Blue

The ESD handles do not contain silicone, amides, or static dissipative coatings. The proprietary copolymer blend is not humidity dependent. The handles have excellent chemical compatibility, even in acetone.

Technical and Application Assistance

Chemtronics provides a technical hotline to answer your technical and application related questions.

The toll free number is: 1-800-TECH-401

Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. CHEMTRONICS does not guarantee the accuracy of the data and assumes no liability in connection with damages incurred while using it.

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