

# COVENTRY™ Clean Room Products

Division of ITW Chemtronics®

## 44070 Conical Foam Swabs

TDS # 44070

### PRODUCT DESCRIPTION

The **44070 Conical Sealed Foam Swabs** are constructed from reticulated 100 pores per inch medical grade polyurethane foam which features the best open cell structure, providing excellent particle entrapment characteristics. The head is thermally bonded to the handle without using adhesives. The conical head tapers to a fine point for precision cleaning of hard to reach areas.

- Traps surface particles while cleaning
- Fiberless construction does not generate loose fibers or particles
- No adhesives or binders are used in the construction
- Good for tight tolerance work

### TYPICAL APPLICATIONS

**Conical Sealed Foam Swabs** can be used for:

- Removing Contamination from Disk Drives
- Micro Mechanical Cleaning
- Cleaning & Removing Excess Adhesives & Chemical Residues
- Remove flux residue from Printed Circuit Boards

### COMPATIBILITY

Polyurethane Foam Heads are compatible with most common solvents such as isopropyl alcohol and methanol. Not recommended for use with ketones such as acetone or methyl ethyl ketone.

Polypropylene, ESD Handles are compatible with most common solvents and dilute or weak acids.

### AVAILABILITY

**44070** 3.2"(8.0 cm) Polypropylene Handle,  
0.13" (3.3 mm), Conical Foam Head

**44070ESD** 3.2"(8.0 cm) ESD Handle,  
0.13" (3.3 mm), Conical Foam Head

### RoHS/WEEE

#### Status



### MANUFACTURED BY:

COVENTRY™ Clean Room Products  
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8125 Cobb Center Drive  
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REV. (06/06)

**TECHNICAL HOT LINE 1-800-TECH-401**

# 44070 Conical Swabs Test Data

## Cleanliness Data

Head Material	Polyurethane Foam	
Swab	44070	44070I
Head Diameter	0.13" (3.3 mm)	0.13" (3.3 mm)
Handle Length	3.2" (8.0 cm)	3.2" (8.0 cm)
<b>Particles:</b>		
0.5 - 1 um	1,867	897
1.0 - 3 um	336	183
3.0 - 5 um	71	54
5.0 - 10 um	31	33
10 - 25 um	15	19
over 25 um	2	1
TOTAL	2,322	1,186
<b>Chlorides</b> (ug/swab)	0.21	None Detected

## ESD Handles

44070ESD

	<i>ESD Handles</i>
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.

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.

## TECHNICAL AND APPLICATION ASSISTANCE

Coventry™ Clean Room Products provides a technical hotline to answer your technical and application related questions.

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

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