

# COVENTRY™ Clean Room Products

Division of ITW Chemtronics®

## 2.5 mm Fiber Optic Foam Swab

TDS # 48042F

### PRODUCT DESCRIPTION

Coventry™ 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 foam is thermally bonded to the swab handle without using adhesives. These swabs are economical and ideal for general applications. They are characterized by the following features:

- Traps surface particles while cleaning
- High solvent capacity; holds solvent well
- Fiberless construction does not generate loose fibers or particles
- No adhesives or binders are used in the construction
- Economical for high quantity applications
- Available Aqua-Prime™ processed
- Sized to fit 2.5mm fiber optic connectors
- Soft polyurethane foam will not scratch surfaces
- Swab head gently conforms to surface

### TYPICAL APPLICATIONS

- Remove particulate and oily contaminants from 2.5mm fiber optic connector end faces
- Especially effective as end face cleaner in back plane applications when used in the CCP™ Combination Cleaning Process with Electro-Wash® PX solvent and the QbE™ wiper
- To clean excess adhesives after gluing
- Precision application of lubricants and solvents
- 2.5mm alignment sleeve cleaning
- Micro mechanical cleaning
- Remove flux residue from printed circuit boards
- Good for general purpose cleaning

### COMPATIBILITY

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

Polypropylene handles are compatible with all common solvents including organic solvents and most acids.

Specifically designed for use with Electro-Wash® PX, Electro-Wash® MX and Electro-Wash® CZ. For detailed instructions, on the Combination Cleaning Process™ Refer to FO-Chem-6.

### AVAILABILITY

**48040** 2.75 " (6.8 cm) Polypropylene Handle 0.41" (10.5 mm) Foam Head, Flexible Paddle Tip  
500 swabs/bag  
5 bags/case

**48042F\*** 2.75 " (6.8 cm) Polypropylene Handle 0.14" (3.56 mm) Foam Head, Flexible Paddle Tip  
50 swabs/tube  
18 tubes/case



#### MANUFACTURED BY:

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REV. (06/07)

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

# Sealed Foam Swabs Test Data

<b>Swabs:</b>	<b>48040; 48042F (EFB-10)</b>
Swab Head Material	100ppi urethane open-cell (zap) foam
Head Diameter	0.10"(2.5 mm)
Handle Length	2.75"(7.0 cm)
<b>Particle Counts:</b>	
0.5 – 1.0 µm	797
1.0 – 2.0 µm	230
2.0 – 5.0 µm	66
5.0 – 10.0 µm	24
10.0 – 25.0 µm	11
over 25.0 µm	2
TOTAL	1,130
<b>N V R</b> (µg/swab)	none detected
<b>Chlorides</b> (µg/swab)	none detected

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

## RELATED PRODUCTS

25183	Swab for 2.5mm Connector Cleaning
25125F	Swab for 1.25mm Connector Cleaning
38542F	Swab for Ferrule and Fusion Splice V-Groove
51125F	Fusion Splice Mirror Cleaning Swab
QbE®	Fiber Optic Cleaning System
ES7100	Electro-Wash® CZ Aerosol
ES810	Electro-Wash® PX Aerosol
ES1621	Electro-Wash® MX Aerosol
FW2150	Electro-Wash® MX Pen
CFK1000	Fiber Optic Cleaning Kit

## TECHNICAL ASSISTANCE

ITW Chemtronics 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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