

# COVENTRY™ Clean Room Products

Division of Chemtronics

## Wrapped Polyester & Diamond Swabs™

TDS # 5000

### PRODUCT DESCRIPTION

Coventry™ **Wrapped Polyester Swabs** and **Diamond Swabs™** consist of polyester knit fabric which is either thermally bonded to the handle or held in place using a shrink tube. These swabs are low in nonvolatile residue, ionic and particulate contamination, while providing exceptional strength and solvent resistance. The **Diamond Swab™** uses a tubular knit fabric head to create "The Cleanest Swab in the World". This Swab is designed for ultra critical applications where contamination is of the utmost concern.

- No edge seamless head design on all swabs
- High strength , durable head
- Low particulate and nonvolatile residue contamination
- No adhesives or binders are used in the construction
- Excellent solvent compatibility
- Available Aqua-Prime™ processed

### TYPICAL APPLICATIONS

Coventry™ **Wrapped Polyester** and **Diamond Swabs™** can be used to:

- Clean High End Disk Drive Components
- Clean Surfaces for the Aerospace Industry
- Micro Mechanical Cleaning
- Validate cleanliness of Manufacturing
- Surfaces for the Pharmaceutical and Biotechnical Industry

### COMPATIBILITY

Polyester Fabric Heads and Glass Filled Nylon Handles are compatible with most common solvents such as isopropyl alcohol, methanol and dilute or weak acids, as well as ketones such as acetone or methyl ethyl ketone.

### AVAILABILITY

**51121** 2.80 " (7.1 cm) Glass Filled Nylon Handle, 0.23" (5.80 mm) ) Wrapped Polyester Head, 25/ bag

**52121** 6.3 " (16.0 cm) Glass Filled Nylon Handle, 0.23" (5.90 mm) ) Wrapped Polyester Head, 25/ bag

### Diamond Swabs™

**51353** 2.80 " (7.1 cm) Glass Filled Nylon Handle, 0.12" (3.0 mm) at tip, 0.18" (4.8mm) at head base, Tubular Knit Head, 100/ bag

**51353I** 2.80 " (7.1 cm) Glass Filled Nylon Handle, 0.12" (3.0 mm) , 0.18" (4.8mm) at head base, Tubular Knit Head, 100/ bag Aqua-Prime™ Processed

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

# Wrapped Polyester & Diamond Swabs™ Test Data

Head Material	Wrapped Polyester Knit Fabric		
<b>Swabs:</b>	<b>52121</b>	<b>51353</b>	<b>51353I</b>
Head Diameter	0.23" (5.9 mm)	0.12" (3.0 mm)	0.12" (3.0 mm)
Handle Length	6.3" (16.0 cm)	2.80" (7.1 cm)	2.80" (7.1 cm)
<b>Particle Counts:</b>			
0.5 - 1 um	3,463	718	269
1.0 - 2 um	1,605	182	93
2.0 - 5 um	206	27	17
5.0 - 10 um	29	23	3
10 - 25 um	14	21	7
over 25 um	23	6	6
<b>TOTAL</b>	<b>5,340</b>	<b>977</b>	<b>395</b>
<b>NVR</b> (ug/swab)	none detected	none detected	none detected
<b>Chlorides</b> (ug/swab)	3	4	1

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**.

## DISTRIBUTED BY:

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