

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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REV. A (08/13)

TECHNICAL HOT LINE 1-800-TECH-401

Wrapped Polyester & Diamond Swabs™ Test Data

| Head Material | Wrapped Polyester Knit Fabric | | |
|-------------------------------|-------------------------------|-------------------|-------------------|
| Swabs: | 52121 | 51353 | 51353I |
| 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) |
| Particle Counts: | | | |
| 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 |
| TOTAL | 5,340 | 977 | 395 |
| NVR (ug/swab) | none detected | none detected | none detected |
| Chlorides (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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