

COVENTRY™ Clean Room Products

Division of ITW Chemtronics®

Sealed Polyester Swabs

TDS # 3000

PRODUCT DESCRIPTION

The Coventry™ Sealed Fabric Swabs are constructed from either a non-woven or a knit fabric. The head is thermoformed and welded to the handle in a single step using a proprietary process that yields an exceptionally clean swab that will not fall apart. The heads are made from either polyester knit, a polyester/nylon microfiber knit, or a polyester non-woven fabric. These swabs are acid and solvent resistant, including acetone.

- Excellent strength
- High absorbency and absorbency rate
- Excellent solvent compatibility
- Does not generate loose fibers or particles
- No adhesives or binders are used in the construction
- Good for tight tolerance work
- Micro-fiber has increased number of microspace to trap more particles, regardless of wet or dry.
- Available Aqua Prime™ processed

TYPICAL APPLICATIONS

Coventry™ Sealed Polyester Swabs can be used to:

- Validate Biogenetic/Pharmaceutical Surfaces
- Clean Disk Drive Components
- Clean Sensitive Surfaces in Optics
- Clean Aerospace Hardware

COMPATIBILITY

Fabric Heads and Polypropylene Handles are compatible with most common solvents and dilute or weak acids, as well as ketones such as acetone or methyl ethyl ketone. Aqua Prime™ process available on all polyester swabs.

MANUFACTURED BY:

COVENTRY™ Clean Room Products
Division of ITW Chemtronics®
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REV. (05/04)

AVAILABILITY

34860 2.8”(7.1 cm) Polypropylene Handle

0.10”(2.6 mm), Conical Microfiber Head, 500/bag

38040 2.75 " (7.0 cm) Polypropylene flexible tip paddle handle 0.12" (3.0 mm), knit polyester 500/bag

38040I 38040 Aqua Prime™ processed, 500/bag

38140 2.75”(7.0 cm) Polypropylene flexible tip paddle handle 0.12" (3.0 mm), knit polyester fabric *thin 0.07”(1.8 mm)* head, 500/ bag

38540 2.75 " (7.0 cm) Polypropylene flexible tip paddle handle, 0.12" (3.0 mm), non-woven polyester fabric head, 500/ bag

38880 2.8”(7.1 cm) Polypropylene Handle 0.18”(4.6 mm) Microfiber Head, 500/bag

36060 6.0 " (15.2 cm) Polypropylene handle, 0.22" (5.6 mm) knit polyester fabric head, 500/bag

36060I 36060 Aqua Prime™ processed, 25/bag

36850 6.0 " (15.2 cm) Glass filled nylon handle, 0.22" (5.6 mm) knit polyester/nylon microfiber fabric head, 500/bag (Swab handle tip slightly tapered)

36860 6.0 " (15.2 cm) Polypropylene handle, 0.22" (5.6 mm) knit polyester/nylon microfiber fabric head, 500/bag

36040 6.0 " (15.24 cm) Polypropylene handle, 0.12" (3.0 mm), knit polyester fabric head 500/ bag

31040 2.75 " (7.0 cm) Polypropylene handle, 0.12" (3.0 mm) Knit Polyester Head , 500/ bag

TECHNICAL HOT LINE 1-800-TECH-401

SEALED POLYESTER SWABS TEST DATA

| Head Material | Polyester Knit Fabric | | | | | Polyester / Nylon Microfiber Fabric | |
|---------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------------|-------------------|
| | 36060 | 36061I | 31040 | 36040I | 38040I | 36860 | 36860I |
| Swabs □ | | | | | | | |
| Head Diameter | 0.21" (5.6 mm) | 0.21" (5.6 mm) | 0.12" (3.0 mm) | 0.12" (3.0 mm) | 0.12" (3.0 mm) | 0.21" (5.6 mm) | 0.21" (5.6 mm) |
| Handle Length | 5.8" (14.7 cm) | 5.8" (15.2 cm) | 2.75" (7.0 cm) | 6.0" (15.2 cm) | 2.75" (7.0 cm) | 5.8" (14.7 cm) | 5.8" (14.7 cm) |
| Particles: | | | | | | | |
| 0.5 - 1 um | 685 | 504 | 1,161 | 1,838 | 514 | 1,041 | 628 |
| 1.0 - 2 um | 189 | 81 | 257 | 294 | 64 | 204 | 227 |
| 2.0 - 5 um | 58 | 31 | 55 | 86 | 3 | 26 | 28 |
| 5.0 - 10 um | 30 | 8 | 23 | 18 | 1 | 9 | 17 |
| 10 - 25 um | 19 | 9 | 23 | 6 | 3 | 21 | 18 |
| over 25 um | 9 | 2 | 15 | 5 | 2 | 11 | 21 |
| TOTAL | 990 | 635 | 1,534 | 2,247 | 587 | 1,312 | 939 |
| NVR (ug/swab) | none detected | none detected | none detected | none detected | none detected | none detected | none detected |
| Chlorides (ug/swab) | none detected | 1 | 2 | 1 | 1 | 7 | 6 |
| TOC (ug/swab) | 4.2 | 4.1 | N/A | N/A | N/A | N/A | N/A |

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.

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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