

**AQUASOFT\***



Nitrile Exam Gloves

# INTRODUCING AQUASOFT\* GLOVES

## A NEW LEVEL OF COMFORT, PROTECTION AND VALUE

Halyard Health invites you to flow through your day, comfortably protected, with new, ultra-thin, AQUASOFT\* Nitrile Exam Gloves.

Their unique nitrile formulation lets AQUASOFT\* Gloves offer comfort and tactile sensitivity comparable to latex without the risk of latex skin irritation and allergies.

- Preferred tactile sensitivity
- Higher count per box saves space and waste
- Textured fingertips
- Beaded cuffs
- Ambidextrous

Yet, AQUASOFT\* Gloves are thinner than typical nitrile gloves. That means they take up less storage space – each box contains 300 gloves – and they generate less waste.

**Like our entire nitrile glove family, AQUASOFT\* Nitrile Exam Gloves are easy to don, with a silky, snug fit.**

They're ideal for use in applications that require superior tactile sensitivity, when exposure to harsh chemicals is not expected. And with AQUASOFT\* Gloves, your facility can afford the quality of nitrile, whatever the task.



From the manufacturer of the  
**#1 branded nitrile glove**  
in the dental market.<sup>1</sup>

**NEW!**

# AQUASOFT\* NITRILE EXAM GLOVES

3 boxes of  
100 count  
Exam Gloves = 1 box of  
300 count  
AQUASOFT\* Exam Gloves



**67% less storage  
space required with  
300 count box**

Compared to standard 100 count boxes,  
300 count AQUASOFT\* Exam Gloves saves.

## SUSTAINABILITY SAVINGS:

- 67% reduction in storage space and waste

## AQUASOFT\* NITRILE EXAM GLOVES ARE DESIGNED FOR A WIDE RANGE OF TASKS.

- Higher count per box saves space and waste
- Powder-free
- Ambidextrous
- Beaded cuffs
- Textured fingertips
- Non-sterile



KNOWLEDGE NETWORK\* Accredited Education  
In-Service Training and Technical Support  
Credentialed Sales Representatives  
Tools & Best Practices  
Clinical Research  
Commitment to Excellence

For more information, please visit:

1-866-740-8829  
www.dentalfix.ca

<sup>†</sup> Source: Strategic Data Marketing, 2014 Dental Distributor Data for LAVENDER\* branded gloves.  
ASTM D6319 Standard Specification for Nitrile Examination Gloves for Medical Application.  
ISO-10993-10 PRIMARY Skin Irritation & Sensitization.  
ASTM F739 Standard Test Method for Permeation of Liquids and Gases through Protective Clothing  
Materials under Conditions of Continuous Contact.  
ASTM F1671 Standard Test Method for Resistance of Materials Used in Protective Clothing to  
Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test  
System.

## HALYARD\* AQUASOFT\* Nitrile Exam Gloves

| Item  | Description                   | Size    | Packaging                       |
|-------|-------------------------------|---------|---------------------------------|
| 43932 | AQUASOFT* Nitrile Exam Gloves | X-Small | 300 eaches/box<br>10 boxes/case |
| 43933 | AQUASOFT* Nitrile Exam Gloves | Small   | 300 eaches/box<br>10 boxes/case |
| 43934 | AQUASOFT* Nitrile Exam Gloves | Medium  | 300 eaches/box<br>10 boxes/case |
| 43935 | AQUASOFT* Nitrile Exam Gloves | Large   | 300 eaches/box<br>10 boxes/case |
| 43936 | AQUASOFT* Nitrile Exam Gloves | X-Large | 250 eaches/box<br>10 boxes/case |

## Product Specifications

| Gauge Thickness Measurements | MM    | MIL    |
|------------------------------|-------|--------|
| Middle Finger:               | .08   | 3.1    |
| Palm:                        | .07   | 2.8    |
| Cuff:                        | .06   | 2.4    |
| Average Length               | 242mm | (9.5") |

## Physical Properties

| Before Aging         |        |
|----------------------|--------|
| Tensile Strength:    | 23 MPa |
| Ultimate Elongation: | 500%   |
| After Aging          |        |
| Tensile Strength:    | 28 MPa |
| Ultimate Elongation: | 450%   |

## Quality Standards

Exceeds current ASTM Standards for critical defects, tensile strength, and puncture resistance.

Passes primary skin irritation testing in accordance with ISO 10993-10(2010)

Manufactured in accordance with Quality System ISO 9001.

## AQL - ASTM D5151

Critical Defects Level <1.0 AQL<sup>†</sup>

<sup>†</sup> Acceptable Quality Level

# HALYARD\* AQUASOFT\* NITRILE



## Exam Gloves

| TEST & TECHNICAL DATA   | TEST  | OBJECTIVE   | RELEVANCE   | DESCRIPTIONS                | FDA REQUIREMENT (EFF. 12/08)  | ASTM REQUIREMENT              | HALYARD* REQUIREMENT          | AQUASOFT* TARGET              |
|-------------------------|---|---|---|-----------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| PHYSICAL PROPERTIES     | ASTM D 5151 Detection of Holes in Medical Gloves (Water Leak) <sup>†</sup>  | Determine acceptability of gloves with respect to freedom from holes. The lower the Acceptance Quality Level (AQL), the better.   | Measures potential for glove barrier integrity failure using ASTM standards.  |                             | Pass @ 2.5 AQL                | Pass @ 2.5 AQL                | Pass @ 1.0 AQL                | Pass @ 1.0 AQL                |
|                         | ASTM D 412 Standard Test method for Vulcanized Rubber and Thermoplastic Elastomers-Tension (Tensile Strength) <sup>†</sup>    | To assess the amount of force applied to a glove until it breaks. The lower the Acceptance Quality Level (AQL), the better.   | The lower the tensile strength, the more easily materials of the same thickness can break when snagged or pressure is applied.  | Before Aging<br>After Aging | 14 MPa<br>14 MPa<br>(4.0 AQL) | 14 MPa<br>14 MPa<br>(4.0 AQL) | 14 MPa<br>14 MPa<br>(2.5 AQL) | 23 MPa<br>28 MPa<br>(2.5 AQL) |
|                         | ASTM D 412 Standard Test method for Vulcanized Rubber and Thermoplastic Elastomers-Tension (Ultimate Elongation) <sup>†</sup> | The ability to stretch a glove until it breaks. The lower the Acceptance Quality Level (AQL), the better.   | Stretchability is very important at the microscopic level where the glove material must be able to give rather than break when stressed or snagged by instruments, fingernails, ridges on caps, twisting stop cocks on IV sets, or snapping off enclosures. | Before Aging<br>After Aging | 500%<br>400%<br>(4.0 AQL)     | 500%<br>400%<br>(4.0 AQL)     | 500%<br>400%<br>(2.5 AQL)     | 500%<br>450%<br>(2.5 AQL)     |
|                         | ASTM D 3767 Standard Practice for Rubber-Measurement of Dimensions (Thickness) <sup>†</sup>                                   | Thickness is measured in millimeters (mm) utilizing a micrometer at specified locations on the finger and palm. The lower the Acceptance Quality Level (AQL), the better. | Thickness is a metric that can be used in determining both tactile sensitivity and barrier protection. Consistency for this metric is key for both durability and chemical permeation protection.   | Finger<br>Palm<br>Cuff      | 0.05mm<br>0.05mm<br>(4.0 AQL) | 0.05mm<br>0.05mm<br>(4.0 AQL) | 0.05mm<br>0.05mm<br>(2.5 AQL) | 0.08mm<br>0.07mm<br>(2.5 AQL) |
|                         | ASTM D 3767 Standard Practice for Rubber-Measurement of Dimensions (Length) <sup>†</sup>                                      | Length is measured in millimeters (mm) utilizing a rule or tape from the upper finger tip to cuff. The lower the Acceptance Quality Level (AQL), the better.              | This measurement helps ensure appropriate length and size correctness.  | U.S.<br>Requirements        | 230 mm<br>(4.0 AQL)           | 230 mm<br>(4.0 AQL)           | 230 mm<br>(2.5 AQL)           | 242 mm<br>(2.5 AQL)           |
|                         | ASTM D 6124 Residual Powder on Medical Gloves   | Determine amount of residual powder on the glove surface; ASTM specifies the maximum allowed level of filter-retained substances for a powder-free claim.                 | A powder-free glove helps reduce powder-associated wound healing complications caused by starch glove powder and helps reduce irritant reactions and the transfer of proteins and chemicals that could potentially result in Type IV or I reactions.        |                             | <2mg                          |                               | <2mg                          | <2mg                          |
| SYSTEM BIOCOMPATIBILITY | Systemic Toxicity ISO 10993-11  | Evaluate the potential for harmful effects to organs or systems using specific product extracts.  | Reduce risk of adverse systemic and local response due to contact with product.   |                             | Optional                      |                               | Pass                          | Pass                          |

HALYARD\* AQUASOFT\* Nitrile Powder-Free Exam Gloves have been tested according to the tests listed above.  
<sup>†</sup> D6319-10a Standard Specification for Nitrile Examination Glove for Medical Applications

continued on back

# HALYARD\* AQUASOFT\* NITRILE

## Exam Gloves

| TEST & TECHNICAL DATA        | TEST   | OBJECTIVE  | RELEVANCE   | DESCRIPTIONS | FDA REQUIREMENT (EFF. 12/08) | ASTM REQUIREMENT | HALYARD* REQUIREMENT | AQUASOFT* TARGET |
|------------------------------|--|--|---|--------------|------------------------------|------------------|----------------------|------------------|
| IRRITATION AND SENSITIZATION | PRIMARY Skin Irritation ISO-10993-10   | Estimate the potential to induce skin irritation from direct exposure.   | Measures the likelihood of the patient experiencing dermal irritation.                                |              | Pass                         |                  | Pass                 | Pass             |
|                              | Sensitization ISO-10993-10   | Estimate the potential to induce contact sensitization Type IV delayed hypersensitivity immunological response via product extracts. | Decrease the likelihood of adverse immunological dermal response from product use over time.          |              | Pass                         |                  | Pass                 | Pass             |
| RESIDUAL CHEMICALS           | High Pressure Liquid Chromatography (HPLC)   | Measure the type and amount of residual chemicals left on the glove.   | Lower levels of residual chemicals decrease the risk of developing irritant and Type IV reactions.    |              | Optional                     |                  | Pass                 | Pass             |
| VIRAL PENETRATION            | Penetration by Bloodborne Pathogens Using Phi-X174 Bacteriophage (Viral Penetration) ASTM F 1671-97b     | Measure the resistance of materials used in protective apparel to penetration by bloodborne pathogens.                               | Measures resistance to potentially infectious body fluids permeating through the protective material. |              | Optional                     | Pass             | Pass                 | Pass             |
| BARRIER                      | Resistance of Protective Materials to permeation by Liquids ASTM F 739 Gluteraldehyde 4% <sup>‡</sup>    | Determine the level of barrier protection against Gluteraldehyde, which is commonly used in a healthcare setting.                    | Helps measure barrier effectiveness against chemicals for aid in selecting appropriate PPE.           |              | Optional                     |                  | Data on File         | >480 min.        |
|                              | Resistance of Protective Materials to permeation by Liquids ASTM F 739 Formaldehyde 10% <sup>‡</sup>     | Determine the level of barrier protection against Formaldehyde, which is commonly used in a healthcare setting.                      | Helps measure barrier effectiveness against chemicals for aid in selecting appropriate PPE.           |              | Optional                     |                  | Data on File         | >480 min.        |
|                              | Resistance of Protective Materials to permeation by Liquids ASTM F 739 Povidone Iodine 10% <sup>‡</sup>  | Determine the level of barrier protection against Povidone Iodine, which is commonly used in a healthcare setting.                   | Helps measure barrier effectiveness against chemicals for aid in selecting appropriate PPE.           |              | Optional                     |                  | Data on File         | >480 min.        |
|                              | Resistance of Protective Materials to permeation by Liquids ASTM F 739 Quaternary Detergent <sup>‡</sup> | Determine the level of barrier protection against Quaternary Detergent, which is commonly used in a healthcare setting.              | Helps measure barrier effectiveness against chemicals for aid in selecting appropriate PPE.           |              | Optional                     |                  | Data on File         | >480 min.        |

HALYARD\* AQUASOFT\* Nitrile Powder-Free Exam Gloves have been tested according to the tests listed above.

<sup>‡</sup> Testing was conducted on single layer glove material.