



EXAMINATION GLOVE PORTFOLIO

HALYARD* GLOVES YOU'RE IN GOOD HANDS



INFECTION PREVENTION

O&M Halyard provides a full line of single-use infection control solutions to help reduce the spread of infections among patients and staff, from examination areas, to labs, to the OR[®]. Included in this range are Facial Protection Solutions, Examination Gloves, Headwear, Footwear, Gowns and Scrub Suits.

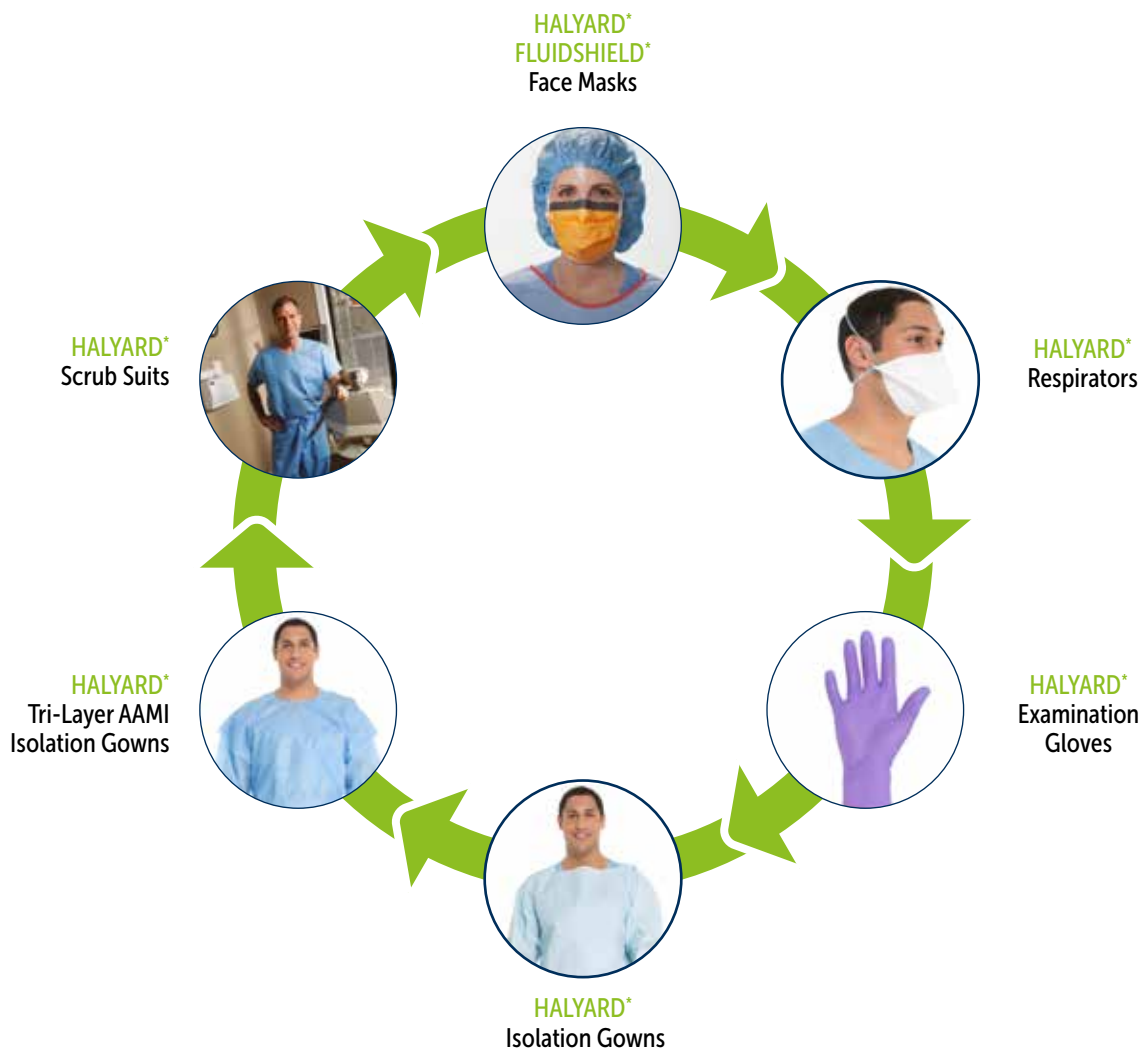


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HALYARD'S NITRILE GLOVE PORTFOLIO

OFFERING A GLOVE FOR EVERY NEED



PURPLE NITRILE* & PURPLE NITRILE* Sterile Exam Gloves

Maximum protection for high risk tasks or situations

PURPLE NITRILE* Exam Gloves are frequently the glove choice for healthcare workers who need excellent barrier protection from bacteria, viruses and chemotherapy drugs. These durable gloves are available in 240, 310 and 400 mm lengths for maximum coverage and protection. Halyard's PURPLE NITRILE* Exam Gloves are the original PURPLE NITRILE* Gloves produced by Safeskin.



STERLING* Nitrile Exam Gloves

Moderate risk tasks require a standard glove with **STERLING* reliability**

STERLING* Nitrile exam gloves were specifically designed to fit and feel like latex, with excellent comfort and tactile sensitivity. These gloves provide durable barrier protection and can be used facility-wide in a multitude of tasks. These gloves are available in 240 and 310 mm lengths for maximum coverage and protection (STERLING* Nitrile-XTRA*).



BASICS* Blue & BASICS* White Nitrile Exam Gloves

Low to moderate risk tasks require a cost effective glove that does not compromise on protection or comfort

BASICS* Blue & BASICS* White Nitrile exam gloves are thinner, lighter, and more economical than our standard nitrile gloves. The gloves are suitable for a wide range of tasks and are the ideal replacement for vinyl or latex exam gloves while maintaining comfort and fitting barrier protection during use.



BLACK-FIRE* Nitrile Exam Gloves

The functionality of two gloves in one

BLACK-FIRE* Nitrile Exam gloves are reversible and can be used as a black glove or turned inside out to reveal the high-visibility, lower friction orange side.





PURPLE NITRILE* Outstanding barrier protection

Latex-Free
Powder-Free
Non-Sterile/Sterile
Heavy-Weight

**Chemotherapy
drug tested**

>240 mm/
310 mm/400 mm
length



STERLING* Nitrile Facility-wide use

Latex-Free
Powder-Free
Non-Sterile
Medium-Weight

**Cleaning
chemical tested**

>240 mm / 310 mm
length



BASICS* Blue & BASICS* White Nitrile protection and comfort

Latex-Free
Powder-Free
Non-Sterile
Light-Weight

**Cost effective
Comfortable
Protective**

>240 mm length



GLOVES PROPERTIES

CHEMOTHERAPY RESISTANCE BARRIER GUIDE



The **HALYARD* PURPLE NITRILE* Examination glove family** are suitable for use with chemotherapy drugs. Our range of PURPLE NITRILE* Examination Gloves have been tested according to the European norm EN374-1 and the US standard ASTM D6978. The HALYARD* PURPLE NITRILE-MAX* Gloves have been tested for use with more than 50 different chemotherapy drugs making it our most protective glove for use with cytotoxic drugs.

	PURPLE NITRILE*	PURPLE NITRILE-XTRA*	PURPLE NITRILE MAX*
	Glove length >240 mm	Glove length 310 mm	Glove length >400mm
Chemotherapy Drugs	Breakthrough rating	Breakthrough rating	Breakthrough rating
Arsenic Trioxide (1 mg/ml)	✓	✓	✓
Azacitidine (25 mg/ml)	✓	✓	✓
Bendamustine (5 mg/ml)	✓	✓	✓
Bortezomib (1 mg/ml)	✓	✓	✓
Bleomycin sulfate (15 mg/ml)	✓	✓	✓
Busulfan (6 mg/ml)	✓	✓	✓
Carboplatin (10 mg/ml)	✓	✓	✓
Carfilzomib (10 mg/ml)	✓	✓	✓
Carmustine (3.3 mg/ml)	✗	✓	✓
Cetuximab (Erbix) (2 mg/ml)	✓	✓	✓
Cisplatin (1 mg/ml)	✓	✓	✓
Cyclophosphamide (20 mg/ml)	✓	✓	✓
Cytarabine HCL (100 mg/ml)	✓	✓	✓
Cytovene (10 mg/ml)	NOT TESTED	✓	✓
Dacarbazine (10 mg/ml)	✓	✓	✓
Daunorubicin HCL (5 mg/ml)	✓	✓	✓
Decitabine (5 mg/ml)	✓	✓	✓
Docetaxel (10 mg/ml)	✓	✓	✓
Doxorubicin HCL (2 mg/ml)	✓	✓	✓
Ellence (2 mg/ml)	✓	✓	✓
Eribulin Mesylate (0.5 mg/ml)	✓	✓	✓
Etoposide (20 mg/ml)	✓	✓	✓
Fludarabine (25 mg/ml)	✓	✓	✓
Fluorouracil (50 mg/ml)	✓	✓	✓
Fulvestrant (50 mg/ml)	✓	✓	✓
Gemcitabine (38 mg/ml)	✓	✓	✓
Idarubicin (1 mg/ml)	✓	✓	✓
Ifosfamide (50 mg/ml)	✓	✓	✓
Irinotecan (20 mg/ml)	✓	✓	✓
Mechlorethamine HCL (1 mg/ml)	✓	✓	✓
Melphalan (5 mg/ml)	✓	✓	✓



	PURPLE NITRILE*	PURPLE NITRILE-XTRA*	PURPLE NITRILE MAX*
	Glove length >240 mm	Glove length 310 mm	Glove length >400mm
Chemotherapy Drugs	Breakthrough rating	Breakthrough rating	Breakthrough rating
Methotrexate (25 mg/ml)	☑	☑	☑
Mitomycin (0.5 mg/ml)	☑	☑	☑
Mitoxantrone (2 mg/ml)	☑	☑	☑
Oxaliplatin (2 mg/ml)	☑	☑	☑
Paclitaxel (6 mg/ml)	☑	☑	☑
Paraplatin (10 mg/ml)	☑	☑	☑
Pemetrexed (25 mg/ml)	☑	☑	☑
Pertuzumab (30 mg/ml)	☑	☑	☑
Raltitrexed (0.5 mg/ml)	NOT TESTED	☑	☑
Retrovir (10 mg/ml)	NOT TESTED	☑	☑
Rituximab (10 mg/ml)	☑	☑	☑
Temsirolimus (25 mg/ml)	☑	☑	☑
ThioTEPA (10 mg/ml)	☒	☑	☑
Topotecan HCL (1 mg/ml)	☑	☑	☑
Trastuzumab (21 mg/ml)	☑	☑	☑
Triclosan (1 mg/ml)	NOT TESTED	☑	☑
Trisenox (1 mg/ml)	☑	NOT TESTED	☑
Vinblastine (1 mg/ml)	☑	☑	☑
Vincristine Sulfate (1 mg/ml)	☑	☑	☑
Vinorelbine (10 mg/ml)	☑	☑	☑
Zoledronic Acid (0.8 mg/ml)	☑	☑	☑

Rating Code

☒ NOT RECOMMENDED	Avoid using this glove with this chemical
⚠ CAUTION	This glove is suitable for this chemical under careful control of its use (breakthrough time < 59 min)
☑ RECOMMENDED	This glove is well suited for use with this chemical (breakthrough time > 60 min)
NOT TESTED	-

PURPLE NITRILE* : The following chemotherapy drugs and concentrations showed breakthrough detected in less than 30 minutes. Carmustine (3.3 mg/ml): 1.8 minutes
 ThioTEPA (10.0 mg/ml): 1.6 minutes. Warning: Not for use with Carmustine and ThioTEPA
 Caution: The testing conditions used are intended to approximate the worst case conditions for clinical use. Testing was conducted on single layer glove material.
 It is the users' responsibility to adapt the applicability of the these gloves for their intended use with the cited chemotherapy drugs. Breakthrough time data available on request.

CHEMICAL RESISTANCE BARRIER GUIDE



The **HALYARD* STERLING* Nitrile** and **PURPLE NITRILE* Examination Gloves** are tested for use with various chemical substances according to EN 374-1 and ASTM F739-12, thereby ensuring our customers are always informed and adequately protected when working with potentially hazardous chemicals.

	STERLING* Nitrile Glove length >240 mm	PURPLE NITRILE* Glove length >240 mm	PURPLE NITRILE-XTRA* Glove length 310 mm
Chemical	Breakthrough rating	Breakthrough rating	Breakthrough rating
Adhesive Tape Remover Pads	⚠	✔	✔
Alcoholic Bouin's Fixative	⚠	✔	✔
Alcoholic Eosin	⚠	⚠	⚠
Bleach	✔	✔	✔
Bouin's Fixative	✔	✔	✔
B-Plus Fixative	✔	✔	✔
CarNoy's Fluid	⊘	⊘	⊘
Chlorhexidine Gluconate 4%	NOT TESTED	✔	✔
Cidex 14-Day	✔	✔	✔
Cidex OPA	✔	✔	✔
Decalcifier I	✔	✔	✔
EM Fixative	✔	✔	✔
Eosin Stain	⚠	✔	✔
Ethidium Bromide (1%)	✔	✔	✔
Ethyl Alcohol (95%)	⚠	⚠	⚠
Formalin Alcohol (tested for Formaldehyde)	⚠	⚠	✔
Formalin Alcohol (tested for Reagent Alcohol)	⚠	✔	✔
Formalin, 10% Buffered (tested for Formaldehyde)	✔	✔	✔
Formalin, 10% Buffered (tested for Methanol)	✔	✔	✔
Giemsa Stain Solution	⚠	⚠	⚠
Glutaraldehyde 4%	✔	✔	✔
Haematoxylin Stain (Harris Solution)	✔	⚠	✔
Hydrochloric Acid, 35.5%	✔	✔	✔
Hydrogen Peroxide, 3%	✔	✔	✔
Isopropyl Alcohol, 70%	⚠	⚠	✔

	STERLING* Nitrile	PURPLE NITRILE*	PURPLE NITRILE-XTRA*
	Glove length >240 mm	Glove length >240 mm	Glove length 310 mm
Chemical	Breakthrough rating	Breakthrough rating	Breakthrough rating
Methanol	⚠	⚠	⚠
Methyl Methacrylate (Bone Cement)	⊘	⊘	⚠
Monsef's Solution	✓	✓	✓
OxyCide Concentrate	⚠	✓	✓
OxyCide Ready to Use	✓	✓	✓
Permaslip Mounting Medium & Liquid Cover Slip	⊘	⊘	⊘
Rapid Bone Decalcifier	✓	✓	✓
Reagent Alcohol	⚠	⚠	⚠
Resert XL HLD	⚠	✓	✓
Sodium Hydroxide (40%)	✓	✓	✓
Trichloroacetic Acid, (10%)	✓	✓	✓
Xylene, 99%	⊘	⊘	⊘
Acetone	⚠	⚠	⚠
Ethyl Acetate	⚠	⚠	⚠
n-Heptane	✓	✓	✓
Sulphuric Acid (96%)	⚠	⚠	⚠
Nitric acid (65%)	⚠	⚠	⚠
Acetic acid (99%)	⚠	⚠	⚠
Ammonium Hydroxide (25%)	⚠	⚠	⚠
Hydrogen Peroxide (30%)	⚠	✓	✓
Formaldehyde (37%)	✓	✓	✓
Incidin Rapid (Isopropanol)	NOT TESTED	✓	NOT TESTED
Incidin Foam (Isopropanol & Ethanol)	NOT TESTED	✓	NOT TESTED
Incidin Plus (Diethylene Glycol Butyl Ether & phenoxyethanol)	NOT TESTED	✓	NOT TESTED

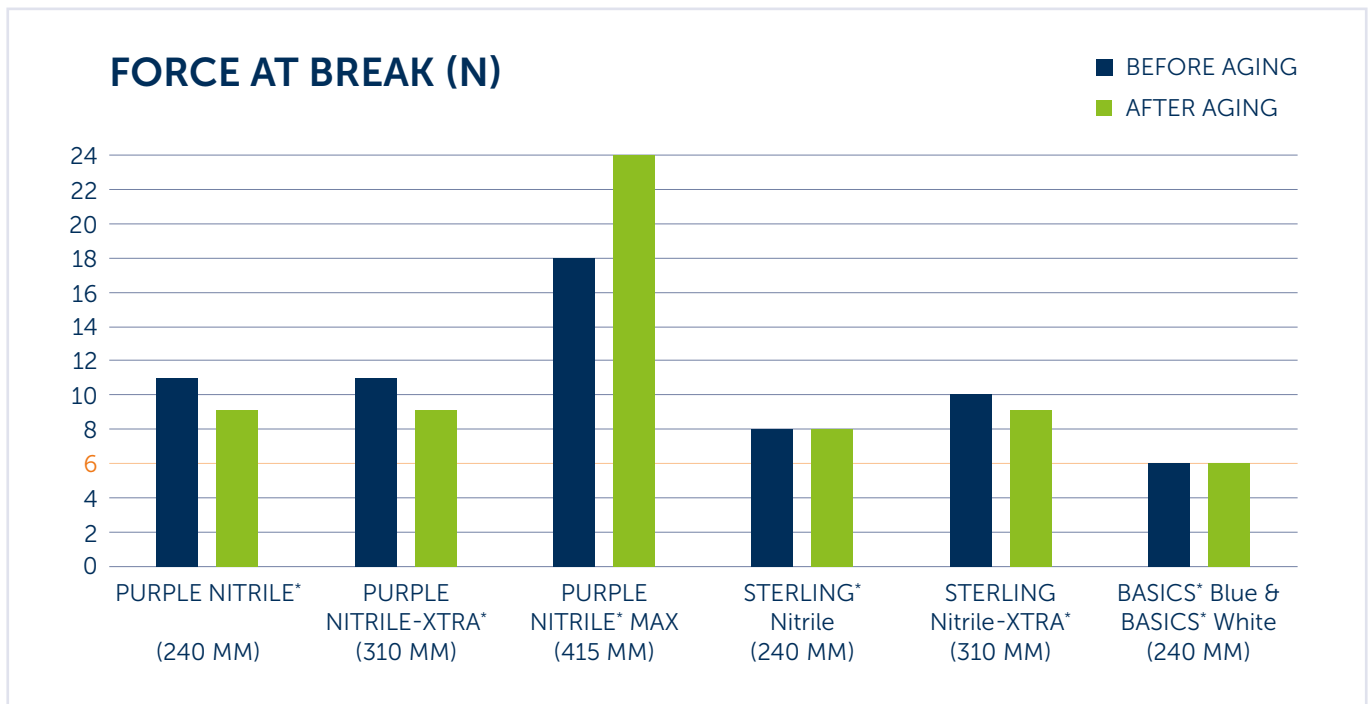
Rating Code

⊘ NOT RECOMMENDED	Avoid using this glove with this chemical
⚠ CAUTION	This glove is suitable for this chemical under careful control of its use (breakthrough time < 59 min)
✓ RECOMMENDED	This glove is well suited for use with this chemical (breakthrough time > 60 min)
NOT TESTED	-

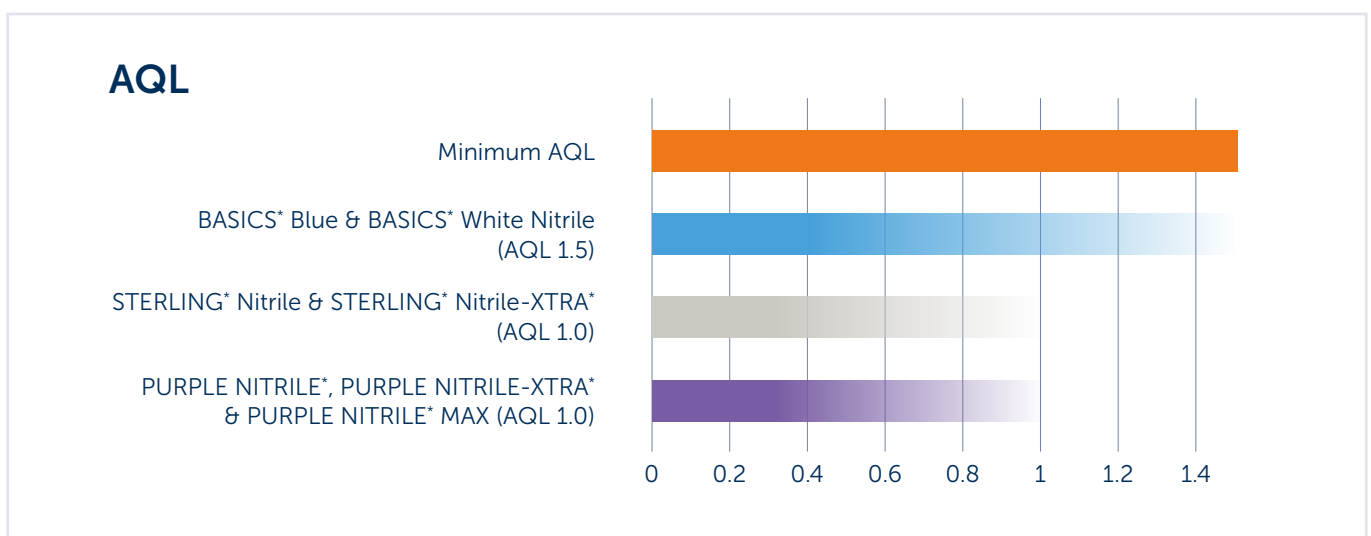
These gloves are not intended for applications involving direct exposure to harsh chemicals, where heavy-duty industrial gloves are required. It is the users' responsibility to adapt the applicability of these gloves for their intended use with the cited chemicals. Breakthrough time data available on request.

PHYSICAL PROPERTIES

Force at break is an indication of the strength of the glove. It measures the force (Newton) required in order to break a glove by stretching it. EN455-2 requires that nitrile examination gloves meet a minimum force at break of 6N. The HALYARD* STERLING* Nitrile & PURPLE NITRILE* Examination Glove families all exceed the minimum force at break requirement. Our BASICS* Blue & BASICS* White Nitrile Examination Gloves comply to the norm with a 6N force at break.

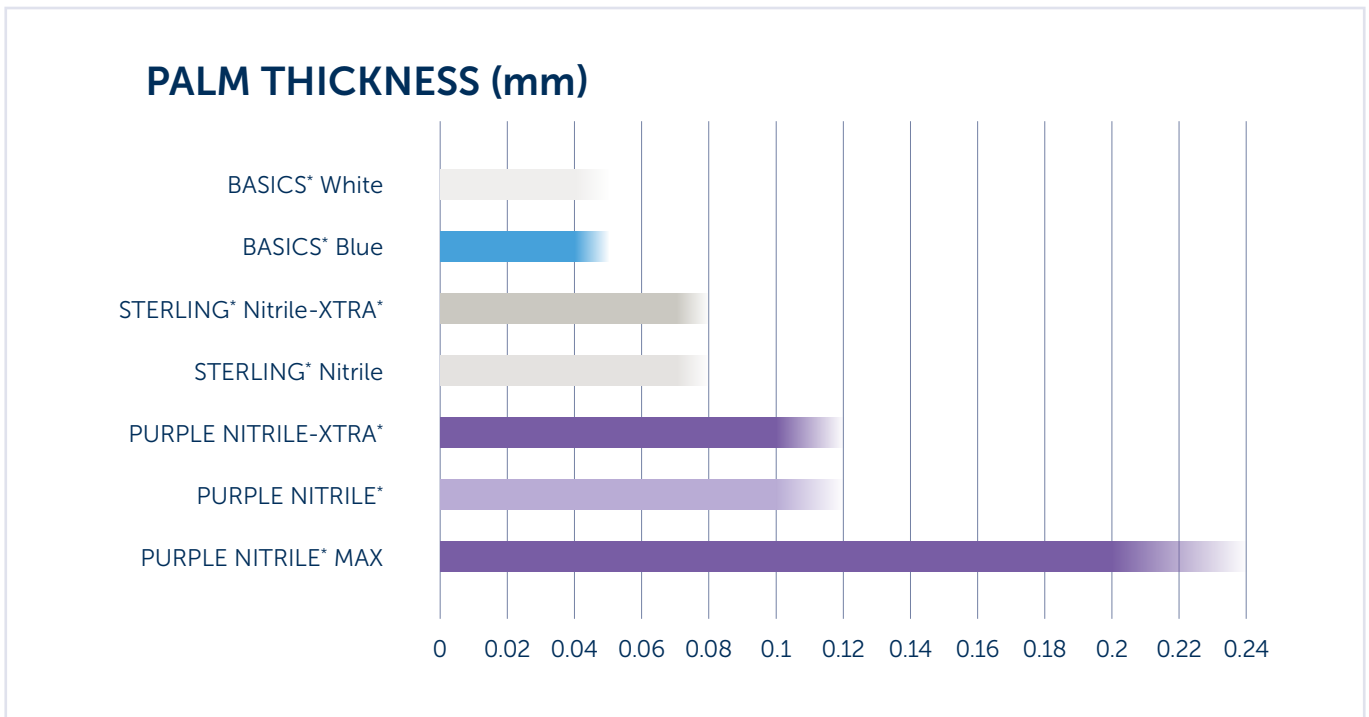


EN455-1 describes a method in which randomly sampled gloves are subjected to a water tightness test, i.e. the ability of a glove to hold 1000ml of water without leaking. For compliance to the EN 455-1, the Acceptance Quality Limit (AQL) should be 1.5. The HALYARD* STERLING* Nitrile & PURPLE NITRILE* Examination Glove families all exceed (in terms of performance), the Acceptance Quality Limit with an AQL 1.0. Our BASICS* Blue & BASICS* White Nitrile Examination Gloves maintain an AQL 1.5.









Palm 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. The below chart indicates the palm thickness of HALYARD® gloves per glove family.



OTHER PRODUCT SPECIFICATIONS & QUALITY STANDARDS

Gauge thickness measurements

	 PURPLE NITRILE*	 PURPLE NITRILE-XTRA*	 PURPLE NITRILE* MAX	 STERLING* Nitrile
Middle finger	0.15 mm	0.15 mm	0.28 mm	0.09 mm
Palm	0.13 mm	0.12 mm	0.24 mm	0.08 mm
Cuff	0.09 mm	0.11 mm	0.15 mm	0.06 mm
Average length	> 240 mm	310 mm	415 mm	> 240 mm

Product specifications - Palm width

	 PURPLE NITRILE*	 PURPLE NITRILE-XTRA*	 PURPLE NITRILE* MAX	 STERLING* Nitrile
X-Small	70 mm	70 mm	-	70 mm
Small	80 mm	80 mm	80 mm	80 mm
Medium	95 mm	95 mm	100 mm	95 mm
Large	110 mm	110 mm	111 mm	110 mm
X-Large	120 mm	120 mm	121 mm	120 mm

Quality standards

	EN 455	EN 374	EN 420	PPE (Cat III)	Approved for food handling	CE mark as per 93/42/EEC Directive for Medical Devices	Quality system (manufacturing sites)
PURPLE NITRILE*	✓	✓	✓	✓	-	Class of device: I	ISO 13485 and ISO 9001 compliant
PURPLE NITRILE-XTRA*	✓	✓	✓	✓	-	Class of device: I	ISO 13485 and ISO 9001 compliant
PURPLE NITRILE* MAX	✓	✓	✓	✓	-	Class of device: I	ISO 13485 and ISO 9001 compliant
PURPLE NITRILE* Sterile	✓	-	-	-	-	Class of device: I - sterile	ISO 13485 and ISO 9001 compliant
STERLING* Nitrile	✓	✓	✓	✓	✓	Class of device: I	ISO 13485 and ISO 9001 compliant

Gauge thickness measurements



STERLING®
Nitrile-XTRA



BASICS® Blue &
BASICS® White



BLACK-FIRE®

	STERLING® Nitrile-XTRA	BASICS® Blue & BASICS® White	BLACK-FIRE®
Middle finger	0.11 mm	0.07 mm	0.14 mm
Palm	0.08 mm	0.05 mm	0.10 mm
Cuff	0.07 mm	0.04 mm	0.09 mm
Average length	310 mm	> 240 mm	> 240 mm

Product specifications - Palm width



STERLING
Nitrile-XTRA®



BASICS® Blue &
BASICS® White



BLACK-FIRE®

	STERLING Nitrile-XTRA®	BASICS® Blue & BASICS® White	BLACK-FIRE®
X-Small	70 mm	75 mm	70 mm
Small	80 mm	85 mm	80 mm
Medium	95 mm	95 mm	95 mm
Large	110 mm	106 mm	110 mm
X-Large	120 mm	116 mm	120 mm

Quality standards

	EN 455	EN 374	EN 420	PPE (Cat III)	Approved for food handling	CE mark as per 93/42/EEC Directive for Medical Devices	Quality system (manufacturing sites)
STERLING Nitrile-XTRA®	✓	✓	✓	✓	✓	Class of device: I	ISO 13485 and ISO 9001 compliant
BASICS® Blue & BASICS® White	✓	✓	✓	✓	✓	Class of device: I	ISO 13485 and ISO 9001 compliant
BLACK-FIRE®	✓	✓	✓	✓	✓	Class of device: I	ISO 13485 and ISO 9001 compliant

EDUCATIONAL

GLOVES BY DEPARTMENT

Choosing the correct glove based on the risk of the anticipated task is crucial in a healthcare worker's daily activities.

Chemotherapy administration - Critical care - Ambulance

High risk tasks typically require a high risk glove

BASICS [®] Blue & BASICS [®] White	STERLING [®] Nitrile	STERLING [®] Nitrile-XTRA [®]	PURPLE NITRILE [®]	PURPLE NITRILE-XTRA [®]	PURPLE NITRILE [®] Sterile
-	-	-	✓	✓	-

Labour/OBGYN - Dermatology - Wound care - Minor non-invasive procedures - Burn units

High risk tasks typically require a high risk glove

BASICS [®] Blue & BASICS [®] White	STERLING [®] Nitrile	STERLING [®] Nitrile-XTRA [®]	PURPLE NITRILE [®]	PURPLE NITRILE-XTRA [®]	PURPLE NITRILE [®] Sterile
-	-	-	-	-	✓

Facility-wide use - ICU - OR - Pharmacies - Laboratories

Moderate risk tasks may require a standard glove with Sterling[®] reliability

BASICS [®] Blue & BASICS [®] White	STERLING [®] Nitrile	STERLING [®] Nitrile-XTRA [®]	PURPLE NITRILE [®]	PURPLE NITRILE-XTRA [®]	PURPLE NITRILE [®] Sterile
✓	✓	✓	✓	✓	-

Phlebotomy - General patient care & transportation - Routine oral care

Low risk tasks often require a cost effective glove that does not compromise on protection or comfort

BASICS [®] Blue & BASICS [®] White	STERLING [®] Nitrile	STERLING [®] Nitrile-XTRA [®]	PURPLE NITRILE [®]	PURPLE NITRILE-XTRA [®]	PURPLE NITRILE [®] Sterile
✓	✓	✓	✓	-	✓

The tasks listed serve as examples of typical use, however, it is ultimately up to the end user to identify and choose the most appropriate glove for the task they will undertake.



SMARTPULL* DISPENSING



The HALYARD* SMARTPULL* Exam Glove box has two openings to allow for better glove dispensing and less waste!

The system features two separate openings on the box. The first, smaller opening is used when the box is full to reduce multiple dispensing, which often results in exam glove waste when gloves become unusable after falling on the floor. When the box is half empty, the second, larger opening allows for easier access to the gloves.

The patented dispensing technology is featured on our PURPLE NITRILE*, STERLING* Nitrile, BASICS* Blue & BASICS* White Nitrile Examination Glove boxes.

DIRECTIONS FOR USE

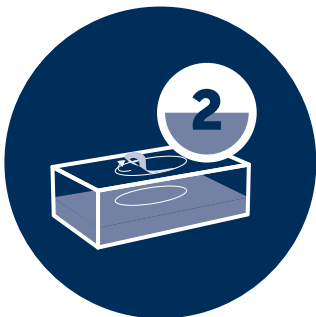


STEP 1

Remove the perforated carton opening at Tab 1



The smaller opening helps prevent multiple dispensing and glove waste.



STEP 2

As the box empties and it becomes difficult to reach inside, remove the opening indicated by Tab 2



Continue dispensing as you would from a traditional glove carton.

The SMARTPULL* dispensing system is available on the standard (240mm) length glove boxes.

PROPER DONNING AND REMOVAL OF NON-STERILE EXAM GLOVES

DONNING



01 Before donning your gloves, always wash your hands.



02 Take out a glove from its original dispenser, holding only the cuff.



03 Hold the glove at its opening with one hand and slide your fingers and thumb of the opposite hand into the glove.



04 Pull the glove towards your wrist to fully don the glove. Only use your knuckles while doing this to avoid fingernail punctures.



05 Take a second glove out of the dispenser with your bare hand, holding only the cuff.



06 Hold the glove at its opening and slide your fingers and thumb into the glove. Pull the glove towards your wrist using the knuckles of your gloved hand.

REMOVAL



01 Using your dominant hand. Grasp the outside cuff of your opposite gloved hand and peel the glove off. This turns the glove inside out.



02 Hold the removed glove in your gloved hand.



03 Slide two fingers of your ungloved hand under the remaining glove cuff at your wrist.



04 Peel the second glove off your hand turning it inside out and enclosing the first glove within it.



05 Discard your gloves in the appropriate waste container or garbage can.



06 After you dispose of your gloves, wash your hands thoroughly.

ITEM INDEX

ITEM INDEX						
Description	Packaging	Item code by size				
		X-Small	Small	Medium	Large	X-Large
PURPLE NITRILE* Exam Gloves	100 gloves/box 10 boxes/case	52000M	52001M	52002M	52003M	--
	90 gloves/box 10 boxes/case	--	--	--	--	52004M
PURPLE NITRILE-XTRA* Exam Gloves	50 gloves/box 10 boxes/case	50600M	50601M	50602M	50603M	50604M
PURPLE NITRILE* MAX	50 gloves/box 8 boxes/case	--	47195	47196	47197	47198
PURPLE NITRILE* Sterile Exam Gloves	50 gloves/box 4 boxes/case	--	52201M	52202M	52203M	--
STERLING* Nitrile Exam Gloves	200 gloves/box 10 boxes/case	13938	13940	13941	13942	--
	170 gloves/box 10 boxes/case	--	--	--	--	13943
STERLING* ZERO Nitrile Accelerator Free Exam Gloves	200 gloves/box 10 boxes/case	47471	47472	47473	47474	--
	170 gloves/box 10 boxes/case	--	--	--	--	47475
STERLING* Nitrile-XTRA* Exam Gloves	100 gloves/box 10 boxes/case	44286	44287	44288	44289	44290
BASICS* Blue Nitrile Exam Gloves	200 gloves/box 10 boxes/case	44749	44750	44751	44752	--
	170 gloves/box 10 boxes/case	--	--	--	--	44753
BASICS* White Nitrile Exam Gloves	200 gloves/box 10 boxes/case	44740	44741	44742	44743	--
	170 gloves/box 10 boxes/case	--	--	--	--	44744
BLACK-FIRE*	150 gloves/box 10 boxes/case	45256	45257	45258	45259	--
	140 gloves/box 10 boxes/case	--	--	--	--	45260



¥ Operating Room



KNOWLEDGE NETWORK* Clinical Education
Knowledgeable Customer Support
Expert Sales Force
Tools & Best Practices
Clinical Research
Commitment to Excellence

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