



by Honeywell



HAND PROTECTION

Innovators in Hand Protection



North Safety Products has been recognized for more than 50 years as a leader in hand protection. Our R&D and manufacturing expertise spans a broad range of processes and this is reflected in our diverse product line. As a pioneer and developer of specialist gloves for demanding applications, North has established a track record for innovation in industries as diverse as nuclear, semiconductor and automotive. In fact, some of North's best selling gloves were developed with a unique user or application in mind.

North proudly manufactures many of its gloves in the US and is committed to staying at the forefront of glove development in the US and globally. Worker safety not only remains our top priority, the tools and initiatives we have developed demonstrably improve customer education and end-user safety.

EXPERTS IN HAND SAFETY TRAINING AND EDUCATION



North Glove Experts and Safety Training Programs

As world-class manufacturers of gloves and other personal protective equipment, North offers comprehensive in-house and on-site training programs. Our highly experienced staff – some of the best in the occupational health and safety industry will be glad to assist you in answering compliance questions and providing information for your employee safety-training programs. And when it comes to selecting gloves, our experts are ready to help you choose the best-performing, most cost-effective solutions for your applications.



North Hand Protection Surveys and Evaluations

Call on North to be certain you are using the best safety practices. North hand protection surveys are free and an excellent way to assess your workplace hazards. Each survey includes a full evaluation of your working environment and glove recommendations to best fit your needs and budget. Site visits by a trained North glove representative can also help determine the best solutions for your applications. To take advantage of these unique and valuable services simply contact your local North representative.



North ezGuide™

When you need help choosing the proper glove for use against specific chemicals, the North ezGuide™ is at your fingertips. This user-friendly software tool quickly helps you determine what type of glove to wear and its permeation resistance to the selected contaminant. Product features, benefits and ordering information of the recommended gloves are also included. The North ezGuide™ can be downloaded from the North Web site, www.northsafety.com. Optionally, CD-ROM's can be ordered by calling Customer Service at 800-430-4110.

North Chemical Resistance Guide

North Performance Guide for Cut Resistant Gloves

When you don't have access to a computer, these handy printed guides provide instant glove selection guidance. Included are permeation and degradation data for nearly 140 chemicals and 6 glove materials, plus relative mechanical performance data for 18 different North Cut Resistant gloves. For your copies, call North Customer Service at 800-430-4110 or download PDFs from our website at www.northsafety.com.



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- By Type of Application
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Glove Selection Guide

US REGULATORY STANDARDS

OSHA 29 CFR 1910.138 – This regulation of the U.S. Occupational Safety and Health Administration (OSHA) requires appropriate protection when hands are exposed to various hazards. Hazards cited include those that can cause skin absorption of harmful substances, severe cuts, lacerations or abrasions, punctures, chemical burns or injuries from temperature extremes. Employers must base selection of hand-protection products on “an evaluation of the performance characteristics of hand protection in relation to the task performed, duration of use, and hazards present.” (www.osha.gov)



ANSI/ISEA 105-2005 – The Hand Protection Group of the International Safety Equipment Association (ISEA) has updated this standard to assist employers and users in the appropriate selection of gloves for specific workplace exposures. This document references appropriate test methods for specified criteria and provides classification criteria that allow users to interpret test results and determine if certain products meet their needs.

Performance and classification criteria are included for the following characteristics: cut resistance, puncture resistance, abrasion resistance, protection from cold, chemical permeation and degradation, detection of holes, heat degradation and flame resistance. (www.safetysupplyequipment.org)



EUROPEAN REGULATORY STANDARDS

Many US glove users are becoming aware of markings and symbols on their gloves that relate to European regulatory standards. These markings are not required in the US, but they offer some useful information for US users once they are understood. Hand protection in Europe is closely regulated and subject to the requirements of a series of standards or “Norms”. Regulation starts with European Norm EN420 - General Requirements for Gloves, which must be met by all protective gloves. It specifies the basic requirements for a glove, such as ergonomics, construction, sizing, marking and user information and guidance.

Protective gloves are separated into three categories according to the risks they are designed to protect against and each category has different marking requirements:

- **Category 1 – Minimum Risk** – Gloves that meet the requirements of EN420 and are intended to provide basic protection. They are required to be clearly marked with a declaration of conformity to EN420 (indicated by the pictogram shown below) and must include user information on use, storage, disposal etc. They must also be marked with the CE mark, glove size, item number and manufacturer. Category 1 gloves include gardening gloves and washing-up gloves.
- **Category 2 – Medium Risk** – Gloves offer a greater level of protection. As well as meeting EN420, they are tested against the requirements of an additional EN that is appropriate to their intended use. For example, general purpose gloves will be independently tested and certified against the requirements of EN388 for mechanical hazards (abrasion, cut, tear and puncture resistance). Compliance to an additional EN is indicated by marking with an appropriate pictogram.
- **Category 3 – High Risk** – Gloves offer protection from irreversible injuries and mortal danger (such as chemical burns, high or low temperatures). Category 3 gloves may be tested and certified against the requirements of several European Norms, according to their intended use. For example, chemical resistant gloves will be tested for mechanical properties (EN388) as well as chemical permeation (EN374) and will be marked with more than one EN pictogram.

The following are the most commonly used European Norms and their corresponding pictograms:



EN420 – Requirements For All Safety Gloves

It defines requirements for:

- Ergonomics, design, construction and size
- Use, cleaning, storage and disposal
- Marking, packaging and labeling



EN374 – Protective Gloves Against Chemicals & Micro-organisms

This pictogram indicates that the glove has been independently tested and certified for chemical permeation resistance. Letters below the pictogram indicate which chemicals the glove was tested against (minimum of 3 from a list of 12 benchmark chemicals). The glove must withstand permeation by the selected chemicals for more than 30 minutes to pass the test.



The above pictogram is accompanied by the micro-organisms pictogram. This indicates that the glove has been batch tested for pinholes.



This pictogram is used for gloves that provide minimal resistance to chemical permeation, but have not been tested to the full EN374 requirements.



EN388 – Protective Gloves Against Mechanical Risks

Comprises four tests of mechanical resistance.

- Abrasion resistance level (0-4)
- Blade cut resistance level (0-5)
- Tear resistance level (0-4)
- Puncture resistance level (0-4)

The values achieved according to the standardized EN tests are indicated with numbers 1 to 4 (or 1 to 5 in the case of cut resistance) below the pictogram. The higher the value, the better the protection against the mechanical risk. If a test is not applicable and therefore not performed (e.g. puncture resistance of a knitted glove) an “X” is shown instead of a number.



EN407 – Protective Gloves Against Thermal Hazards

Comprises six tests of high temperature thermal performance

- Burning behavior levels (0-4)
- Contact heat level (0-4)
- Convection heat level (0-4)
- Radiant heat level (0-4)
- Small splash molten metal (0-4)
- Large quantity molten metal (0-4)

As with EN388, and “X” indicates that the particular test was not deemed applicable.



EN511 – Protective Gloves Against Cold

Comprises three tests of low temperature thermal performance.

- Convective cold (0-4)
- Contact cold (0-4)
- Water permeability in less than 30 minutes (pass or fail)

The wide assortment of gloves in the latest North catalog have been categorized and described in detail to make proper glove selection much easier. You can also use the Indexes in the back of the catalog to locate gloves by: industrial application, product name or item number. Optionally, you can call on a North hand protection expert for an up-to-date evaluation of your workplace and product recommendation. If you have questions (or even a suggestion), please contact North Customer Service at (888) 422-3798, (800) 430-4110.

BASIC GLOVE TYPES

Disposables – These are thin (4 to 6 mil) unsupported gloves, usually made from nitrile or natural rubber (commonly known as latex). Disposable gloves provide limited protection against liquids, oils, chemicals and mechanical hazards, but are an excellent choice for contamination protection. They can be used to protect the wearer from the product, or the product from the wearer. They are ideal for tasks requiring short term protection from minor hazards. Typical applications include maintenance, inspection, food preparation, etc. They are usually discarded after a single use.

Liquid & Chemical Resistant – Liquid & chemical resistant gloves provide a continuous membrane that protects the hands from hazardous and non-hazardous substances. They are available in many different types and materials. Choice is dependent upon the hazard being faced. Most gloves in this category are un-supported, but supported types are also available (with an integral liner for wearer comfort). Many liquid & chemical-resistant gloves can also be used for protection against abrasion, cuts, tears and punctures. Their applications vary depending on the material used.

General Purpose – This broad category of gloves encompasses many different designs and materials. For the most part, they are intended to provide protection from dirt and mechanical hazards (such as sharp or abrasive objects) or to enhance the wearer's grip. Some types are also liquid proof, but generally offer low levels of chemical protection.

Cut Resistant – Cut resistant gloves are specifically designed to provide protection against sharp objects such as blades, glass and metals. Gloves in this category offer enhanced protection compared to similar looking general purpose gloves, because they are made from materials that offer superior performance against mechanical hazards. Typical materials include Kevlar®, Dyneema® and stainless steel mesh.

Controlled Environment – Controlled environment hand protection products range from finger cots to cleanroom gloves to glovebox and isolator box gloves. Finger cots are generally worn to protect an item or product from the wearer (for example, static dissipative cots protect sensitive electronic components on a PCB). Cleanroom gloves prevent contamination of critically clean products, such as silicon chips and protect the wearer from hazardous chemicals. Glovebox and isolator box gloves allow a worker to safely handle toxic or radioactive substances within the box, or protect the product in the box from contamination from the environment outside the box. Controlled environments are found in the electronic, nuclear and pharmaceutical industries.



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NFK14
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AK1815/O
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Glove Selection Guide

LIQUID & CHEMICAL RESISTANT GLOVE MATERIALS

Silver Shield® (PE and EVOH Laminate film) – Silver Shield is exclusive to North Safety Products. Silver Shield gloves and accessories resist permeation and breakthrough against a wider range of toxic chemicals than any other material. They are ideal against aromatics, esters, ketones and chlorines. Silver Shield products are an excellent choice for chemical and petrochemical laboratories, spill cleanups, hazmat control operations, photo finishing, medical laboratories and a host of other hazardous applications.

Butyl – Butyl is a man-made rubber that exhibits the highest permeation resistance to gas or water vapor of any glove polymer available today. It has many applications in industry, and is also the glove of choice for military, disaster preparedness and hazmat applications the world over. It is ideal for use in ketones (MEK, MIBK, acetone), esters (tricresyl phosphate, amyl acetate, ethyl acetate) and highly corrosive acids.

Viton® – Viton gloves are made specifically for handling chlorinated and aromatic solvents. They exhibit a high degree of impermeability to these solvents and can be used in or around water and water-based solutions. Viton also has superior resistance to PCBs. Viton gloves are used for applications in the automotive and chemical industries as well as aircraft maintenance and degreasing operations.

Nitrile (NBR) – Nitrile can be used for both supported and un-supported gloves. It offers excellent protection against acids, bases, oils, solvents, esters, grease and animal fats. Nitrile is more resistant to snags, punctures, abrasions and cuts than neoprene or PVC gloves, and unlike natural rubber gloves, contains no natural rubber proteins which can cause allergic reactions. Because nitrile gloves are so versatile, they are ideal for use in many applications, including laboratories, automotive and aircraft part-handling and assembly, plant cleaning, chemical processing, food processing, petroleum refining, dip tank operations, acid etching, painting, graphic arts, battery manufacturing, degreasing, electronics and pesticide handling.

Natural Rubber (Latex) – Natural rubber is widely used for gloves because it is relatively inexpensive, and yet offers good resistance to certain groups of chemicals (such as acids). It also has good resistance to abrasion, cuts, tears and punctures. It's also very comfortable and permits excellent dexterity. Natural rubber can be an economical alternative to nitrile or neoprene. A negative aspect of natural rubber is that it contains proteins that can cause allergic reactions, so it is not recommended for everyone. Natural rubber also will swell and degrade in contact with various animal fats, oils and solvents.

Neoprene – Neoprene offers protection from acids, alcohols, oils, solvents, esters, grease and animal fats. It has been largely eclipsed by nitrile, but still has a niche in certain industries, notably the petrochemical industry.

Poly Vinyl Chloride (PVC) – PVC provides resistance to most fats, oils, acids, caustics and petroleum hydrocarbons, but PVC gloves are mostly sold as general purpose gloves, intended for numerous applications involving incidental exposure to a variety of low level chemical hazards. They are mostly supported gloves (dipped on a liner) which means that the PVC layer is of variable thickness, which it turn means that the glove's chemical resistance varies from one part of the glove to another. PVC is a very versatile and inexpensive polymer and supported PVC gloves are available in a wide range of styles, finishes and colors. They have applications in many industries, including petrochemical, construction, fishing industry, cold storage etc.



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B131R
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F101
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LA102G
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PNLB1815
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5N1532
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T1412WG
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GENERAL PURPOSE AND CUT RESISTANT GLOVE MATERIALS

Dyneema® – Dyneema was developed by DSM as a multipurpose high performance polyethylene fiber. It has excellent abrasion and cut resistance, being up to 15 times stronger than steel (weight for weight). It is cool to the touch and comfortable to wear and also launders well.



Dyneema® License

North Safety Products is a global DSM Dyneema® license holder and North Dyneema® gloves come with the assurance that they have been tested and approved by DSM themselves. The guarantee of pure Dyneema® can only come from a licensed manufacturer.

Spectra® – Spectra was developed by Honeywell Corporation. It is a high performance polyethylene with many industrial and defense related applications, including cut resistant gloves for the food industry.

Kevlar® – Kevlar is a fiber developed by the DuPont company for use in high performance applications. The par-aramid fiber has a high resistance to cuts which makes it ideal for use in cut resistant gloves for applications where sharp objects are being handled. The high tensile strength and low weight of Kevlar makes it durable yet lightweight to wear. Kevlar is flame resistant, self-extinguishing and can be used at elevated temperatures.

Blended Kevlar/Cotton/Polyester – Kevlar can be mechanically blended with cotton and polyester to provide cut protection. Blending and knitting are done in such a way as to leave the Kevlar (for cut protection) on the outside of the glove and the poly/cotton (for comfort) on the inside. This is a cost effective way of enhancing cut protection on a poly/cotton glove.

Polyester/Cotton – Poly/cotton blends are commonly used in string knit gloves because of their comfort, durability and excellent laundering characteristics. By mixing polyester with cotton, shrinkage can be minimized.

Nylon – Certain nylons have a high resistance to abrasion and provide a synthetic string-knit glove that is lint free. Shrinkage in nylon gloves is minimal and more uniform than in cotton, so nylon launders very well. Nylon is the material of choice for finer 13 and 15 gauge knitted gloves.

Stainless Steel Mesh – A mesh of individually welded stainless steel rings provides the best cut protection of any glove material.

Leather – Leather is a traditional material for gloves that is waning in popularity, but still has applications in general industry due to its relative low cost, abrasion resistance, and ability to withstand high temperatures and hazards such as weld spatter. There are many different types and grades of leather available, and care is needed to ensure the desired level of performance is achieved.



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NFKL13
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NF11HVY
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GLOVE COATING MATERIALS

Nitrile (NBR) – Nitrile can be applied to knit and cut-and-sewn gloves using several methods, including screen printing, foam coating and dipping. It offers good mechanical properties (resistance to abrasion, cuts, tears and punctures) and yet is soft and flexible so that gloves do not feel stiff. Grip is also good and can be enhanced further by air-infusing (foaming) the nitrile during dipping. This creates an open surface texture and greater surface area which improves grip on wet or oily objects. Nitrile is also a good choice in high heat applications because it does not melt at high temperatures, which could create product contamination issues (for example, in an application such as auto-glass manufacture).

Polyurethane (PU) – Polyurethane is the toughest of the popular coating polymers, with the best resistance to abrasion, cuts, tears and punctures. This makes it highly suitable for cut resistant gloves, where its mechanical properties compliment those of the high performance fibers used in those kinds of gloves. Also, because it's tough, coatings can be made thinner than with other polymers, yet still provide comparable levels of protection. This makes it a good choice for applications such as fine assembly work where a high level of tactility (feel) is important.

Bi-Polymer – Bi-Polymer is a blend of nitrile and polyurethane. It combines the best properties of both polymers, offering great mechanical performance against abrasion, cuts, tears and punctures as well as a high level of grip and a soft, flexible feel.

Poly Vinyl Chloride (PVC) – PVC has been a popular choice for inexpensive dipped supported gloves for decades. In more recent years it has emerged as an attractive option for palm coated dipped gloves. Applied as an air infused (foamed) coating, it offers exceptional wet and dry grip as well as mechanical properties that rival nitrile and polyurethane. North was quick to recognize the potential of this coating, and pioneered it in the form of the popular NorthFlex Red™ (NF11). North now offers four general purpose gloves with PVC palm coating (see pages 20 and 21).

MicroFinish® Nitrile – MicroFinish is a revolutionary, high grip glove finish. It is a two stage process that coats the glove in a liquid-proof nitrile layer, followed by a second nitrile layer that is textured with thousands of microscopic pockets that clear oil and other liquids from a surface and enable a sure and confident grip. MicroFinish outperforms foamed finishes in terms of grip, and being a nitrile, it also provides good resistance to abrasion, cuts, tears and punctures.

MicroFinish® is a registered trademark of the Towa Corporation.

Natural Rubber (Latex) – Natural rubber has been a popular glove coating material for many years. Normally supplied with a “crinkle” finish, it provides a thicker than average coating that offers good grip and mechanical protection. Natural rubber latex can cause allergic reactions in some individuals.



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GLOVE DIPPING METHODS

Dipped Gloves are made by dipping a hand shaped form (with or without a liner) into a tank, or successive tanks of polymer in liquid form. There are two basic types of process:

Latex dipping – This is a water based process. The dipping polymer is in solution with water. This process is used for over 95% of all un-supported gloves produced around the world and is a fast process, done on a large scale. Latex dipped gloves (typically nitrile, natural rubber and PVC) are produced quickly and economically, and usually in a single dip.

Solvent dipping – Also known as cement dipping. The polymer is in solution with a solvent. This process involves multiple dips and is a relatively long and labor intensive process that produces a glove of exceptional quality. Multiple dips provide a multi-layer glove (like a glove within a glove, within a glove). A solvent dipped glove has better integrity than its latex dipped counterpart which results in superior mechanical and chemical protection. North uses this process for its glovebox and isolator gloves and for butyl and Viton industrial gloves. Some polymers (such as butyl, Viton and Hypalon) can only be processed in this way.

SUPPORTED AND UN-SUPPORTED DIPPED GLOVES

Unsupported Gloves – Are made by dipping a hand form (usually made of porcelain) directly into a tank containing a polymer in liquid form. After drying, curing, stripping and washing, the glove produced is basically a layer or film of polymer with no supporting structure (an unsupported glove). To increase comfort, cotton flocking can be added to the interior of unsupported gloves. Flocking absorbs perspiration and aids in donning and doffing. Unsupported gloves are more economical than supported gloves, but may not last as long and will not provide as much protection against abrasions, cuts, punctures and snags.



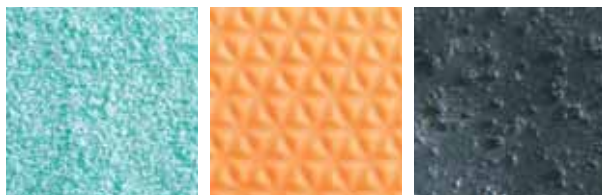
Supported Gloves – Have a knitted or woven liner (usually cotton/poly). This is placed over the hand form, prior to dipping, so that it becomes an integral part of the glove. The liner gives the glove structure and increases its strength as well as providing wearer comfort. The liners in chemical resistant and general-purpose work gloves are usually jersey (which is similar to sweatshirt material) or interlock (which is similar to T-shirt material).



Palm Coated Gloves – Are a type of supported glove. Used for general purpose and cut resistant gloves, the palm coating process is a shallow dip that coats selected parts of the glove. Depending upon the depth of the dip and the shape of the special hand forms used, the coating can be limited to just the palm and finger tips or extended to the knuckles.



GLOVE GRIPS - UNSUPPORTED

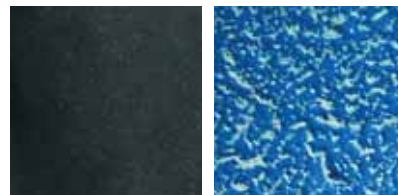


Sand Patch

Raised Diamond

Rough

GLOVE GRIPS - SUPPORTED



Smooth

Rough

Glove Selection Guide

GLOVE CONSTRUCTION

CUFF DESIGNS - UNSUPPORTED GLOVES



Rolled Beaded Cuff

Pinked

Straight Cuff

CUFF DESIGNS - SUPPORTED KNIT AND CUT & SEWN GLOVES



Knitwrist

Prevents materials from getting inside the glove and coming into contact with hand



Slip-on

Easy to put on and slide off



Safety Cuff

Protects wrists while sliding on and off easily



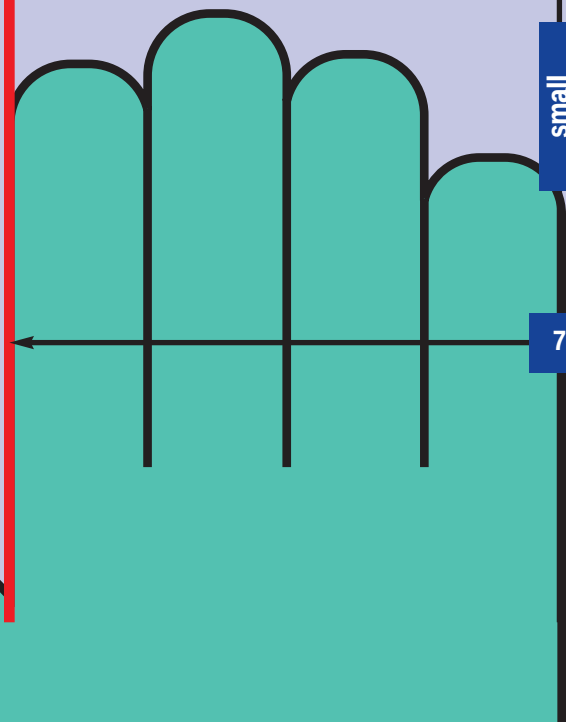
Gauntlet

Protects wrist and lower forearm

GLOVE SIZING GAUGE

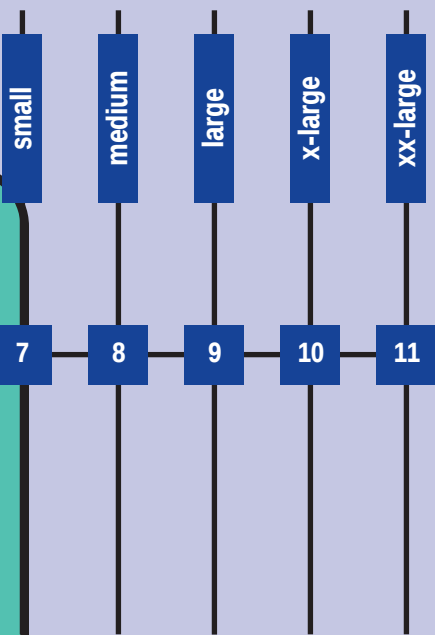
STEP 1

Place your index finger next to the red line, as shown below.



STEP 2

Read proper size below.





Disposable Gloves

by Honeywell



Disposable Gloves

DEXI-TASK™ – EXAM AND INDUSTRIAL GRADE NITRILE DISPOSABLES



LA049

Durable, latex-free disposables.

FEATURES AND BENEFITS

- Provide more puncture resistance than natural rubber latex or vinyl gloves.
- Do not contain latex proteins that can cause allergic reactions.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- Available in powdered (LA049) or powder-free (LA049PF).
- Industrial version available (LA049IND).

APPLICATIONS

- Food handling, packaging, inspections, small parts handling

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
LA049	Blue, lightly powdered, ambidextrous, exam grade	S, M, L, XL	Smooth/rolled	9"/5 mil	100 gloves/box	10 boxes
LA049PF	Blue, powder-free, ambidextrous, exam grade	S, M, L, XL	Smooth/rolled	9"/5 mil	100 gloves/box	10 boxes
LA049IND	Blue, lightly powdered, ambidextrous, industrial grade	S, M, L, XL	Smooth/rolled	9"/5 mil	100 gloves/box	10 boxes

CHEMSOFT® – NITRILE DISPOSABLES



CS042W

High quality nitrile disposables with the stretch and feel of latex.

FEATURES AND BENEFITS

- Formulation provides better chemical resistance for incidental exposure and a more comfortable feel.
- 100% nitrile does not contain allergy-causing proteins.
- Rolled cuff prevents tearing while donning.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- 12" length provides extra protection for arms. Can be fastened to protective gown.

APPLICATIONS

- Electronics, nuclear, packaging or inspections

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
CS042W	White, powder-free, ambidextrous	XS, S, M, L, XL	Smooth/rolled	12"/5 mil	100 gloves/bag	10 bags

SENSI-TASK™ – EXAM GRADE NATURAL RUBBER DISPOSABLES*



T425

Strong, stretchy and economical disposables.

FEATURES AND BENEFITS

- Superior dexterity.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- Available in lightly powdered or powder-free.

APPLICATIONS

- Cleanup, electronic assembly, food handling, janitorial use, laboratories, packaging and inspections

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
T425	Natural, lightly powdered, ambidextrous, exam grade	S, M, L, XL	Smooth/rolled	9"/5 mil	100 gloves/box	10 boxes
T425PF	Natural, powder-free, ambidextrous, exam grade	S, M, L, XL	Smooth/rolled	9"/5 mil	100 gloves/box	10 boxes



Liquid & Chemical-Resistant Gloves

by Honeywell



NITRIGUARD PLUS™ – UNSUPPORTED NITRILE GLOVES



LA111EB



LA102G

High performance nitrile gloves in a broad range of styles.

FEATURES AND BENEFITS

- 100% nitrile content offers superior resistance to cuts, snags, abrasions, and punctures.
- Gloves are free of latex proteins which can cause allergic reactions.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- Gloves will not swell, sag or weaken from fat absorption.
- Out performs natural rubber, neoprene and vinyl gloves when exposed to solvents, caustics and animal fats.
- Available with flock lining for a soft, pleasant feel that absorbs perspiration and aids in donning and doffing.
- Curved shaped hand provides a natural fit.

APPLICATIONS:

- Aerospace and automotive degreasing, automotive assembling and painting, chemical handling and processing, food processing, graphic arts and print shop cleanup

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
LA102G	Green, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/11 mil	1 dozen pair	12 dozen pair
LA142G	Green, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/15 mil	1 dozen pair	12 dozen pair
LA225G	Green, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	15"/22 mil	1 dozen pair	6 dozen pair
LA258G	Green, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	18"/25 mil	1 dozen pair	6 dozen pair
LA111EB	Blue, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/11 mil	1 dozen pair	12 dozen pair
LA132G	Green, flock interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/15 mil	1 dozen pair	12 dozen pair
LA172G	Green, flock interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/17 mil	1 dozen pair	12 dozen pair
LA111EBFL	Blue, flock interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/15 mil	1 dozen pair	12 dozen pair

CHEMISOFT® INDUSTRIAL – UNSUPPORTED NITRILE GLOVES



CS113B

The performance of nitrile with the stretch and feel of latex.

FEATURES AND BENEFITS

- Unique patented 100% nitrile formula is 59% stretchier¹ than the leading industrial nitrile gloves.
- Stretchy feel reduces hand fatigue and improves wearer dexterity compared to competitor's nitrile gloves.
- Greater dexterity improves wearer's ability to pick up and assemble small parts, making these gloves a great choice for assembly operations.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- Gloves will not swell, sag or weaken from fat absorption.
- Gloves are free of latex proteins which can cause allergic reactions.
- Available with flock lining for a soft, pleasant feel that absorbs perspiration and aids in donning and doffing.

APPLICATIONS:

- Aerospace and automotive degreasing, automotive assembly and painting, chemical handling and processing, food processing, graphic arts and print shop clean-up.

¹ Based on an independent scientific comparison between the new North Chemsoft Industrial glove and Ansell-Edmont Sol-Vex brand conducted by the Akron Rubber Development Laboratory.

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
CS113B	Blue, sanitized interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/11 mil	1 dozen pair	12 dozen pair
CS153B	Blue, flock interior	7, 8, 9, 10, 11	Sandpatch/straight	13"/15 mil	1 dozen pair	12 dozen pair

Liquid & Chemical-Resistant Gloves

NITRI-KNIT™ – SUPPORTED NITRILE GLOVES



NK803



NK803ES

** People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.*

High performance supported nitrile gloves with numerous comfort and protection options.

FEATURES AND BENEFITS

- High nitrile content offers superior resistance to cuts, snags, abrasions and punctures.
- Gloves are free of latex proteins which can cause allergic reactions.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing. Gloves will not swell, sag or weaken from fat absorption.
- Outperforms supported natural rubber, neoprene and vinyl gloves when exposed to solvents, caustics and animal fats.
- Interlock knit liner gives gloves added strength for resistance to cuts, snags, abrasions and punctures while adding comfort to wearer. Hand portion is treated with a permanent anti-bacterial and anti-mildew agent.
- Insulated versions provide additional protection from cold and heat. Recommended for temperatures from -10°F to 300°F (-23°C to 149°C) ❄️.
- Unique textured finish provides excellent grip on oily, wet or dry objects.
- 5 hand sizes available for a comfortable fit.
- True dip coated glove has a permanent bond of nitrile to inner-liner. Won't peel apart like glued-in liners.
- NK803ES is available with extended sleeve (total length 26") for protection up to shoulders.
- Gloves can be laundered for extended use.
- To make gloves easy to sort after laundering, each Nitri-Knit glove contains color coded stitching inside the glove, in addition to having the size clearly marked on the outside.

APPLICATIONS:

- Automotive assembly and painting, chemical handling and processing, degreasing, dip tank cleanup, fishing industry, food processing, general maintenance work, printing cleanup, refinery (general), solvents (general)

PART NO.	DESCRIPTION	SIZES	GRIP /CUFF	LENGTH	INNER PACK	CASE PACK
NK803	Blue, interlock liner	7, 8, 9, 10, 11	Rough/pinked	12"	12 pair	144 pair
NK803ES	Blue, interlock liner	7, 8, 9, 10, 11	Rough/elastic	26"	6 pair	72 pair
NK803IN ❄️	Blue, insulated liner	7, 8, 9, 10, 11	Rough/trimmed	12"	6 pair	72 pair
NK803ESIN ❄️	Blue, insulated liner	7, 8, 9, 10, 11	Rough/elastic	26"	6 pair	72 pair
NEW! NK804	Blue, interlock liner	7, 8, 9, 10, 11	Rough/pinked	14"	6 pair	72 pair
NEW! NK804IN ❄️	Blue, insulated liner	7, 8, 9, 10, 11, 12	Rough/trimmed	14"	6 pair	72 pair

UNSUPPORTED PREMIUM NATURAL RUBBER GLOVES*



PNLB1815

High quality natural rubber glove offering superior protection from chemical hazards.

FEATURES AND BENEFITS

- 100% natural rubber has excellent dexterity, elasticity, and tensile strength for long wear and comfort.
- Embossed palm and fingers offer a superior wet grip.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.
- 18 mil thick gloves provide good chemical, tear and puncture resistance.
- Beaded cuff prevents tearing.
- Chlorinated for ease of donning and doffing.
- 15" long for greater lower-arm protection

APPLICATIONS:

- Automotive assembly, chemical handling and processing, food processing and preparation, janitorial.

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	GRIP /CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
PNLB1815/O	Premium natural rubber glove, orange, sanitized interior	8, 9, 10, 11	Diamond embossed/bead	15"/18 mil	12 pair	144 pair

NORTH

by Honeywell

www.northsafety.com

TRAWLER KING™ – SUPPORTED PVC GLOVES



850FWG

Workhorse supported PVC gloves for tough jobs.

FEATURES AND BENEFITS

- PVC coating provides good chemical resistance to oils, greases, caustics, acids and alcohols.
- Textured finish provides excellent grip on oily, wet or dry objects.
- Heavy duty coating is ideal for rough applications.
- Available in 12", 14" and 18" lengths to fit most jobs.

APPLICATIONS:

- Construction, handling oils and greases, mining, refining, petrochemical and fishing.

PART NO.	DESCRIPTION	SIZES	GRIP	INNER PACK	CASE PACK
840FWG/10XL	Green, fully coated, jersey liner, 12" gauntlet	10XL	Rough	12 pair	72 pair
850FWG/10XL	Green, fully coated, jersey liner, 14" gauntlet	10XL	Rough	12 pair	72 pair
870FWG/10XL	Green, fully coated, jersey liner, 18" gauntlet	10XL	Rough	12 pair	48 pair

WINTER TASK™ SERIES – SUPPORTED PVC OVER LAMINATED FOAM LINER GLOVES



3500KW

Economical winter lined gloves for numerous outdoor applications.

FEATURES AND BENEFITS

- Rough finish provides superior grip for handling wet or oily objects.
- Recommended for temperatures down to -10°F (-23°C)* ❄️.
- Liquid resistant.
- PVC does not stiffen or crack in cold weather.
- High visibility colors.
- Available with knitwrist and band top cuff.

APPLICATIONS:

- Construction, highway work, aircraft de-icing, petrochemical plants, chemical handling, fishing, general marine activities.

** People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.*

PART NO.	DESCRIPTION	SIZES	GRIP	INNER PACK	CASE PACK
3500KW ❄️	Orange, fully coated, laminated foam liner, knitwrist	10XL	Rough	6 pair	3 dozen pair
3502BT ❄️	Orange, laminated foam liner, band top	10XL	Rough	6 pair	3 dozen pair

SUMMER SPITFIRES™ – SUPPORTED PVC GLOVES



2520FWG/10XL

High visibility, hard wearing gloves for outdoor applications.

FEATURES AND BENEFITS

- Fluorescent orange color for high visibility.
- Rough finish for better grip.
- Jersey liner that absorbs perspiration.
- Highly flexible and liquid resistant.
- Available with knitwrist, 12" or 14" gauntlet.

APPLICATIONS:

- Construction, highway work, petrochemical plants, chemical handling, fishing, general marine activities.

PART NO.	DESCRIPTION	SIZES	GRIP	INNER PACK	CASE PACK
2520FWG/10XL	Orange, jersey liner, knitwrist	10XL	Rough	1 dozen pair	6 dozen pair
2540FWG/10XL	Orange, jersey, 12" gauntlet	10XL	Rough	1 dozen pair	6 dozen pair
2550FWG/10XL	Orange, foam liner, 14" gauntlet	10XL	Rough	1 dozen pair	6 dozen pair

Liquid & Chemical-Resistant Gloves

NLS SERIES – SUPPORTED PVC GLOVES WITH ATTACHED SLEEVES



1812FWG24

Chemical protection for lower and upper arms.

FEATURES AND BENEFITS

- Rough finish provides superior grip.
- Curved hand design provides maximum comfort.
- Extended sleeve provides arm protection.
- Available with elastic closure or suspender straps.

APPLICATIONS:

- Cleaning and maintenance work where arm protection is required, such as dip tank cleaning. Good for handling chemicals such as oils, caustics, acids and alcohol.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
1812FWG24	PVC glove with attached sleeve, 1/2 arm length with elastic arm opening	10XL	1 pair	24 pairs
1812FWG01	PVC glove with attached sleeve, full arm with suspender strap opening	10XL	1 pair	24 pairs

DECKHAND™ SERIES – SUPPORTED PVC OVER SEAMLESS LINER GLOVES



T1412WG

Economical and sturdy liquid resistant glove.

FEATURES AND BENEFITS

- Rough finish provides grip on wet objects.
- Curved hand design provides maximum comfort.
- Seamless knit liner is comfortable and gives added strength for resistance to cuts, punctures and tears.
- PVC coating provides excellent mechanical protection.
- T1412FWG has a winter liner for cold applications. Recommended for temperatures down to -10°F (-23°C)* ❄️.

APPLICATIONS:

- Fishing industry and other marine applications, construction, petrochemical, mining.

* People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
T1412WG	PVC coated glove over seamless liner, dark-red, 12" long	8M, 9L, 10XL, 11XXL	12 pair	72 pair
T1412FWG ❄️	PVC coated glove over seamless liner, dark-red, 12" long (Boa lined for winter use)	8M, 9L, 10XL	6 pair	72 pair

NORTH BUTYL™ – UNSUPPORTED GLOVES



B131R



B144GI



The glove of choice for military, disaster preparedness and industrial users the world over.

FEATURES AND BENEFITS

- Highest permeation resistance to gas and water vapor for greater worker protection, especially when handling toxic substances.
- Highly resistant to ketones (MEK, MIBK, acetone) and esters (tricresyl phosphate, amyl acetate, ethyl acetate).
- Flexible and sensitive, even at lower temperatures.
- Curved finger and hand design provides a better fit for greater worker comfort.
- Available with "Grip-Saf" palm for enhanced grip.
- GI styles are manufactured on govt. spec. APM hand forms and are built with the intention of meeting the requirements of MIL-DTL-43976D but are not fully tested, inspected, marked or packaged in accordance with this specification. Further inspection and testing including agent resistance testing at a government laboratory for Sarin (GB) and Mustard (HD) is available upon request for an additional charge. Contact North Customer Service for information.

APPLICATIONS:

- Aircraft maintenance, automotive, chemical handling and processing, domestic preparedness, laboratory, Haz-Mat work, solvents (general)

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
B131	Black, sanitized interior	7, 8, 9, 10, 11	Smooth/rolled bead	11"/13 mil	24 pair	288 pair
B131R	Black, sanitized interior	7, 8, 9, 10, 11	Rough Grip-Saf/rolled bead	11"/13 mil	24 pair	288 pair
B161	Black, sanitized interior	7, 8, 9, 10, 11	Smooth/rolled bead	11"/16 mil	24 pair	288 pair
B161R	Black, sanitized interior	7, 8, 9	Rough Grip-Saf/rolled bead	11"/16 mil	24 pair	288 pair
B161R	Black, sanitized interior	10, 11	Rough Grip-Saf/rolled bead	11"/16 mil	12 pair	144 pair
B174	Black, sanitized interior	8, 9, 10, 11	Smooth/rolled bead	14"/17 mil	24 pair	144 pair
B174R	Black, sanitized interior	8, 9, 10, 11	Rough Grip-Saf/rolled bead	14"/17 mil	24 pair	144 pair
B324	Black, sanitized interior	8, 9, 10, 11	Smooth/rolled bead	14"/32 mil	12 pair	72 pair
B324R	Black, sanitized interior	8, 9, 10, 11	Rough Grip-Saf/rolled bead	14"/32 mil	12 pair	72 pair
B074GI	Black, sanitized interior	XS, S, M, L, XL	Smooth/rolled bead	14"/7 mil	1 pair	100 pair
B144GI	Black, sanitized interior	XS, S, M, L, XL	Smooth/rolled bead	14"/14 mil	1 pair	100 pair
B144RGI	Black, sanitized interior	XS, S, M, L, XL	Rough Grip-Saf/rolled bead	14"/14 mil	1 pair	100 pair
B174GI	Black, sanitized interior	XS, S, M, L, XL	Smooth/rolled bead	14"/17 mil	1 pair	100 pair
B254GI	Black, sanitized interior	XS, S, M, L, XL	Smooth/rolled bead	14"/25 mil	1 pair	50 pair

Liquid & Chemical-Resistant Gloves

NORTH BUTYL/NEOPRENE™ GLOVES



BN1243

Ideal for refueling operations.

FEATURES AND BENEFITS

- Offers the gas and vapor permeation of butyl combined with the oil and petrochemical resistance of neoprene.
- Glove is 24 mil with an 18 mil butyl (inner layer) and a 6 mil neoprene (outer layer).

APPLICATIONS:

- Refueling applications, Haz-Mat work



PART NO.	DESCRIPTION	SIZES	LENGTH/GAUGE	INNER PACK	CASE PACK
BN1243/APM	Butyl and neoprene glove, smooth finish Made on Government APM hand form.	XS, S, M, L, XL	14"/24 mil	12 pair	144 pair
BN1243	Butyl and neoprene glove, smooth finish. Made on regular industrial hand form.	7, 8, 9, 10, 11	14"/24 mil	12 pair	144 pair

NORTH VITON® – UNSUPPORTED GLOVES



F101

Unsurpassed performance against chlorinated and aromatic solvents.

FEATURES AND BENEFITS

- Excellent chemical resistance to chlorinated and aromatic solvents.
- Can be used in water-based solvents without dissolving.
- Superior resistance to PCBs.
- Curved finger and hand design provides a better fit for greater worker comfort.

APPLICATIONS:

- Aircraft maintenance, automotive industry, chemical industry, degreasing operations



PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
F101	Black, sanitized Interior	8, 9, 10, 11	Smooth/straight	11"/10 mil	1 pair	10 pair
F124	Black, sanitized Interior	8, 9, 10, 11	Smooth/straight	14"/12 mil	1 pair	10 pair

Liquid & Chemical-Resistant Gloves

SILVER SHIELD® GLOVES



SSG

Resistant to a broader range of chemicals than any other glove material.

FEATURES AND BENEFITS

- Resistant to over 280 different chemicals, including alcohols, aliphatics, aromatics, chlorines, ketones and esters – Provides high performance protection in the most demanding applications.
- Economical - Can be used as a disposable glove, without the need for cleaning and re-cycling.
- Does not contain latex or chemical accelerators – Little chance of allergic reactions.
- Ambidextrous design – Ideal for single glove use. Also, one glove can be discarded if necessary without wasting a pair.
- Can be used as a secondary inner glove - Allows worker maximum protection in heavy duty jobs where the dangers of mechanical damage to gloves are high.
- Ink-free versions of Silver Shield gloves are available. Please inquire with North Customer Service.

APPLICATIONS:

- Aerospace, chemical processing and transporting, domestic preparedness, Haz-Mat work, petrochemical.

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
SSG	Silver, unlined	6, 7, 8 9, 10, 11	Smooth/straight	14.5"/2.7 mil	10 pair	50 pair
			Smooth/straight	16"/2.7 mil	10 pair	50 pair
SSG29/10	Silver, unlined	10	Smooth/straight	29"/2.7 mil	10 pair	50 pair

SILVER SHIELD® ACCESSORIES



SSS



SSA



SSB



SSCA

Resistant to a broader range of chemicals than any other glove material.

FEATURES AND BENEFITS

- 5 layer PE and EVOH construction provides same chemical resistance as Silver Shield gloves.
- Ideal for industrial laboratories or work environments where the possibility of chemical splash requires arm and body protection.
- Booties can be worn as a liner under regular boots or as a cover over shoes or boots. Warning: The booties offer minimal abrasion resistance and should not be worn as outer protection where risk of snags, punctures or abrasions is high.
- Sleeves can be worn with Silver Shield gloves and/or apron. Provide additional protection for the upper arms and shoulders.
- Apron protects against splashes and spills. Easily adjustable with attached ties.
- Coat Apron available for people requiring additional splash protection.

APPLICATIONS:

- Aerospace, chemical processing and transporting, domestic preparedness, Haz-Mat work, petrochemical

PART NO.	DESCRIPTION	SIZES	LENGTH/GAUGE	INNER PACK	CASE PACK
SSS	Sleeves, silver, unlined	Universal	20"/2.7 mil	1 pair	50 pairs
SSB	Booties, silver, unlined	Universal	15"/2.7 mil	1 pair	50 pairs
SSA	Apron, silver	Universal	45"/2.7 mil	1 apron	50 aprons
SSCA	Coat Apron, silver	S, M, L, XL	S=43", M=50", L=56", XL=62"/2.7 mil	1 apron	10 aprons



®

General Purpose Gloves

by Honeywell



NORTHFLEX RED™ – FOAMED PVC PALM COATED GLOVES



Light and comfortable general purpose gloves that offer high abrasion resistance and exceptional grip.

FEATURES AND BENEFITS

- Advanced 15 gauge seamless nylon liners are stretchy and form fitting, with a snug knit-wrist, and provide minimal resistance to hand movement for exceptional wearer comfort.
- Foamed PVC coatings, are soft and flexible enough to provide a degree of shock and vibration absorption, but are tough enough to offer abrasion resistance comparable to polyurethane.
- In addition, foamed PVC has an open surface texture that clears liquids from surfaces and enables a very firm wet-grip.
- The Red-X™ features an extended knuckle coating, for additional wearer protection.
- The back of the glove is un-coated, for ventilation and wearer comfort.
- Launderable for added value and longer life.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- These gloves are well suited to applications where workers handle both wet and dry objects and need moderate protection from mechanical hazards, including automotive and other assembly work, manufacturing, maintenance and small part handling.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF11	Red nylon liner, palm coated with black foamed PVC.	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs
NF11X	Red nylon liner, knuckle coated with black foamed PVC.	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs

NEW!

NORTHFLEX NEON™ – HI-VIZ FOAMED PVC PALM COATED GLOVES



Hi-Viz hand protection with exceptional fit and feel.

FEATURES AND BENEFITS

- Hi-Viz yarn and Hi-Viz PVC coating combine to provide excellent worker visibility.
- Advanced seamless nylon liner is stretchy and form fitting, with a snug knit-wrist, providing minimal resistance to hand movement for exceptional wearer comfort.
- Foamed PVC coating is soft and flexible enough to provide a degree of shock and vibration absorption, but tough enough to offer abrasion resistance comparable to polyurethane.
- Foamed coating provides an open surface texture that clears liquids from surfaces and enables a very firm wet-grip.
- The back of the glove is un-coated, for ventilation and wearer comfort.
- Contains no reaction causing natural rubber proteins.
- Launderable for added value and longer life.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- These gloves are suited to applications where worker visibility is important, such as transport and construction.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF11HVY	Hi-Viz yellow nylon liner with Hi-Viz yellow palm coating.	7S, 8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs

NORTHFLEX-COLD GRIP™ – WINTER GLOVES



NF11HD

Winter lined version of the popular NorthFlex Red™

FEATURES AND BENEFITS

- The latest generation of winter gloves provides high levels of comfort, fit and dexterity compared to traditional gloves.
- Seamless brushed synthetic liner is comfortable and provides insulation from the cold.
- PVC coating extends to the knuckles to provide liquid protection.
- Coating is foamed to give excellent dry and wet grip.
- Glove retains flexibility, even at low temperatures.
- Recommended for temperatures down to -15°F (- 26°C)* ❄️.
- Launderable for added value and longer life.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Work in cold conditions, such as construction, transport, forestry, snow clearing and cold storage.

** People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF11HD ❄️	Blue nylon outer liner with black insulated inner and black foamed PVC knuckle coating.	8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs

NORTHFLEX-OIL GRIP™ – HIGH OIL GRIP GLOVES



NF35

Proprietary coating provides unmatched grip on oily or wet objects.

FEATURES AND BENEFITS

- Light nitrile coating with advanced MicroFinish® provides abrasion resistance and exceptional oil grip.
- The MicroFinish® surface is textured with thousands of microscopic pockets that disperse fluids and allow a high level of surface contact between glove and object.
- MicroFinish® goes beyond foamed finishes to provide oily grip that is unsurpassed.
- Two stage coating is impermeable to liquids, so that hands remain dry.
- Lightweight 13 gauge seamless nylon liner and a coating that is soft and flexible, make for an extremely comfortable, form-fitting glove.
- Launderable for added value and longer life.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Any tasks where oily materials or surfaces are encountered, such as machine and automotive assembly, machine operation and materials handling.

MicroFinish® is a registered trademark of the Towa Corporation.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF35	Dark green nylon liner and black nitrile palm coating with MicroFinish®	7S, 8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs

NORTHFLEX DURO TASK™ – NATURAL RUBBER* COATED POLY/COTTON GLOVES



NF14

Versatile and economical work glove with the grip of natural rubber.

FEATURES AND BENEFITS

- Rubber coating is an economical alternative to nitrile coated gloves.
- Seamless liner provides superior comfort, lessens hand fatigue.
- Unique textured finish provides a sure grip on objects. Gloves are coated on the fingertips and thumb crotch which minimizes wear on high stress areas.
- Gloves are launderable for additional wear and value.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Automotive assembly, gardening, general maintenance work, janitorial, light assembly, manufacturing, small part handling, shipping/receiving

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF14	Palm coated, knitwrist	7S, 8M, 9L, 10XL, 11XXL	12 pairs	144 pairs

NORTHFLEX NITRITASK™ – NITRILE COATED NYLON GLOVES



NF13

Lightweight and comfortable glove with tough nitrile coating.

FEATURES AND BENEFITS

- Nitrile palm coating provides excellent grip and longer life. Uncoated back design allows gloves to breathe for more comfort.
- Nylon liner has minimal shrinkage when laundered.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF13	Palm coated, knitwrist	7S, 8M, 9L, 10XL, 11XXL	12 pairs	144 pairs

NORTHFLEX NITRITASK FOAM™ – FOAM NITRILE COATED NYLON GLOVES



NFF13

All the benefits of nitrile with the added practicality of a foamed finish for enhanced wet and oily grip.

FEATURES AND BENEFITS

- Nitrile palm foam coating provides resistance to snags and abrasions as well as excellent grip in oily applications.
- Open back design allows gloves to breathe for more comfort.
- Grey nylon liner has minimal shrinkage when laundered.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFF13	White nylon seamless liner with grey foam nitrile coating knit wrist	7S, 8M, 9L, 10XL, 11XXL	12 pairs	144 pairs

NORTHFLEX LIGHT TASK™ – POLYURETHANE COATED NYLON GLOVES



NF15

Mechanical protection with maximum dexterity.

FEATURES AND BENEFITS

- Polyurethane palm coating provides excellent grip and longer life.
- Uncoated back design allows gloves to breathe for more comfort.
- Nylon liner has minimal shrinkage when laundered.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, electronics, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF15	Palm coated, knitwrist	7S, 8M, 9L, 10XL, 11XXL	12 pairs	144 pairs

NORTHFLEX LIGHT TASK ESD™ – ANTI-STATIC CONDUCTIVE GLOVES



NF15ESD

Low surface resistivity allows safe handling of sensitive electronic components.

FEATURES AND BENEFITS

- Liner is made of copper-based Thunderon® which provides the glove with a comparatively low surface resistivity of $<4.0 \times 10^4 \Omega/\text{sq}^*$ which can prevent damaging electrostatic charge from accumulating.
- PU (polyurethane) coating on the palm and finger tips provides good grip and protection for the worker from light mechanical hazards such as abrasions, cuts and snags.
- Coating is light enough to ensure outstanding tactility and dexterity.
- Back of the glove is un-coated allowing for ventilation and cooling.
- Glove is light in weight, with a comfortable and ergonomic fit that conforms to the shape of the hand and provides minimal resistance to hand movement, thus greatly reducing wearer fatigue.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

**When tested in accordance with EN 1149.*

APPLICATIONS:

- Electronic component handling and assembly in the telecommunications, aerospace and general electronics industries.

Thunderon® is a registered trademark of Sanmo Ltd.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NF15ESD	Thunderon® liner coated with PU	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 pairs	144 pairs

ECO KNIT™ GLOVES



11RK

Economical general purpose gloves for basic hand protection.

FEATURES AND BENEFITS

- 4 hand sizes available.
- Reversible design can be worn on either hand allowing replacement of one glove at a time.
- 70% cotton/30% polyester gloves are launderable for additional wear and value.
- Ambidextrous design does not require sorting after laundering.
- Makes an excellent glove liner for liquid-proof gloves.
- Protects hands from dirt.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Food handling, janitorial, light assembly, small part handling, shipping/receiving

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
11RK	Natural, standard weight	S, M, L, XL	12 pairs	240 pairs

PVC COATED GLOVES



K311

PVC dots coated gloves for longer wear.

FEATURES AND BENEFITS

- Economy-weight for light duty applications.
- Dotted coating improves grip and durability.
- Reversible style can be worn on either hand giving you four working surfaces instead of two.

APPLICATIONS:

- General maintenance work, janitorial, light assembly, manufacturing, small part handling, shipping/receiving

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
K311	Economy-weight, natural, black PVC dots both sides	Women's (7L), Men's (10XL)	12 pairs	144 pairs

CLEAN GRIP® – PVC COATED GLOVES



82/6142M

Premium dot coated gloves with heavier knit shell.

FEATURES AND BENEFITS

- Dotted coating improves grip and provides outstanding abrasion resistance.
- Closely knit shell keeps hands clean in dirty applications.
- Reversible style can be worn on either hand giving you four working surfaces instead of two.

APPLICATIONS:

- Automotive assembly, general maintenance work, janitorial, light assembly, manufacturing, small part handling, shipping/receiving

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
82/6142	Natural, black pvc dots on both sides	Men's (M), Women's (S)	12 pairs	144 pairs

GRIP N® – PVC COATED GLOVES



K511

Low profile coating provides minimal interference for superior feel.

FEATURES AND BENEFITS

- PVC N-Tread coating has non-skid grip and outstanding abrasion resistance.
- Seamless design does not chafe or tear. Superior finger dexterity.
- Reversible PVC coating provides excellent grip and longer life.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, electronics, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
K511	Natural, blue "N" both sides	Men's (M), Women's (S)	12 pairs	144 pairs

GRIP N® NITRILE GLOVES



79/1191



79/1752

Nitrile coating enhances grip and abrasion resistance for longer life.

FEATURES AND BENEFITS

- Nitrile N-Tread Coating improves grip, abrasion resistance and durability.
- Seamless construction provides superior comfort and lessens hand fatigue.
- Blended cotton/polyester knit shell absorbs perspiration. Can be laundered or dry cleaned with minimal shrinkage.
- Ambidextrous design gives wearer four sides for maximum economy.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

LINT FREE VERSIONS:

- 100% polyester shell is lint free. Can be used in clean applications, e.g. paint shops.
- Coated and uncoated versions available.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
79/1191	Natural, nitrile "N" both sides	Men's (M), Women's (S)	12 pairs	144 pairs
79/1752	White, nitrile "N" both sides, lint free	Men's (M), Women's (S)	12 pairs	144 pairs
79/1702	White, uncoated, lint free	Men's (M), Women's (S)	12 pairs	144 pairs

GRIP N® DOUBLE – NITRILE COATED GLOVES



23/6145

Heavier shell gives additional protection without sacrificing comfort and dexterity.

FEATURES AND BENEFITS

- Nitrile palm coating provides excellent grip and longer life.
- Seamless construction provides superior comfort and lessens hand fatigue.
- Blended cotton/polyester knit shell absorbs perspiration. Can be laundered or dry cleaned with minimal shrinkage.
- Ambidextrous design gives wearer four sides for maximum economy.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
23/6145	Natural, nitrile "N" both sides	Men's (M)	12 pairs	72 pairs

GRIP N® HOT MILL – NITRILE COATED GLOVES



51/7146

Glove-within-glove design provides protection against high heat.

FEATURES AND BENEFITS

- Provides protection against intermittent heat up to 400° F.
- Nitrile palm coating provides excellent grip and longer life.
- Knit design allows hands to breathe, unlike cut/sewn hot mill gloves.
- Available with extended cuffs for additional protection above the wrist.
- Steamproof version has a three layer design:
 - Inner layer of cotton provides hand comfort and wicks perspiration away from skin.
 - Outer layer has excellent grip.
 - Protective layer in between gloves provides resistance to steam.
- All three work together to provide a lightweight solution for working in hot, steamy applications.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, food processing, manufacturing

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
51/7146	Natural, nitrile "N" both sides, knitwrist	Men's (M)	12 pairs	72 pairs
51/7146B	Natural, nitrile "N" both sides, 2" extended knitwrist	Men's (M)	12 pairs	72 pairs
51/7146C	Natural, nitrile "N" both sides, 4" starched cuff	Men's (M)	12 pairs	72 pairs
51/7146SP	Natural, nitrile "N" both sides, steamproof liner	Men's (M)	12 pairs	72 pairs
51/7106	Natural, nitrile "N" both sides, uncoated knitwrist	Men's (M)	12 pairs	72 pairs

SMITTY® – NITRILE PALM COATED GLOVES



81/1162



81/1762

Versatile and long-lasting palm coated glove.

FEATURES AND BENEFITS

- Precision-blended cotton/polyester shell can be either laundered or dry cleaned with minimal shrinkage.
- Nitrile coating on palm provides a sure grip, good abrasion resistance and longer life.
- Meets a variety of applications. Versatile enough to replace a wide range of glove styles. Lower inventory costs.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

LINT FREE VERSION:

- 100% polyester shell is lint free. Can be used in sensitive applications, e.g. electronics and paint shops. Easily laundered with minimal shrinkage.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling, shipping/receiving

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
81/1162	Nitrile palm coated	Men's (M), Women's (S)	12 pairs	144 pairs
81/1762	Nitrile palm coated, lint free	Men's (M), Women's (S)	12 pairs	144 pairs

NITRI-KOTE® – NITRILE FULLY COATED GLOVES



78/1142

Full nitrile coating provides all-over mechanical protection but is also breathable for comfort.

FEATURES AND BENEFITS

- Unique nitrile coating allows gloves to be fully coated for long wear, yet is breathable.
- Blended cotton/polyester string knit shell reduces shrinkage when recycled.
- Ambidextrous design can be worn on either hand. Longer wear because of the four wearing surfaces. No need to sort after laundering.
- Seamless construction provides superior comfort and lessens hand fatigue.
- Coated in the USA.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
78/1142	Fully nitrile coated	XS (men's extra small), M (men's regular), XL (men's extra large), S (women's regular)	12 pairs	144 pairs

WORKNIT® HD – SUPPORTED NITRILE GLOVES



85/17215



85/8721



85/3721



85/3729

Nitrile coating withstands abrasion better than most leather palm gloves, yet is flexible.

FEATURES AND BENEFITS

- Heavy-weight cotton lining gives workers superior cushioning for tough jobs. Absorbs perspiration for greater comfort.
- Gunn cut, wing thumb style lasts longer by keeping the seams out of wearer area. Offers the wearer greater comfort than other styles.
- Excellent dry grip provides excellent non-slip grip for safer handling.
- Wide variety of styles and cuffs to fit your needs.

APPLICATIONS:

- Assembly, general maintenance work, grinding and handling abrasives, manufacturing, metal fabrication, small part handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
85/17215	Knit wrist with black dash back, men's	M, L, XL	12 pairs	72 pairs
85/8721	Gauntlet with black dash back, men's	M, L, XL	12 pairs	72 pairs
85/8711	Gauntlet with black dash back, women's	Universal	12 pairs	72 pairs
85/3721	Slip on with black dash back, men's	M, L, XL	12 pairs	72 pairs
85/3711	Slip on with black dash back, women's	Universal	12 pairs	72 pairs
85/3729	Slip on with black stripe back, men's	M, L, XL	12 pairs	72 pairs
85/3719	Slip on with black stripe back, women's	Universal	12 pairs	72 pairs
85/8729	Gauntlet with black stripe back, men's	M, L, XL	12 pairs	72 pairs
85/8719	Gauntlet with black stripe back, women's	Universal	12 pairs	72 pairs

WORKNIT® HD BLACK – SUPPORTED NITRILE GLOVES



85/3424

Traditional Worknit® values with a bold new look.

FEATURES AND BENEFITS

- Black versions of the 85/3729 and 85/3719 gloves.
- Highly practical all-black color scheme hides dirt and makes these gloves suitable for the dirtiest of environments.
- Elasticized slip-on wrist design is easy to put on and take off but also provides a snug fit.
- Reliable alternative to leather gloves with consistent pricing and availability.
- Four sizes available to accommodate a broad range of wearers.

APPLICATIONS:

- Perfect for many tough applications including grinding and abrasives handling, manufacturing, metal fabrication, assembly work, general maintenance, and small part handling.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
85/3424	All-black slip-on, men's	8M, 9L, 10 XL	12 pairs	72 pairs
85/3414	All-black slip-on, women's	7S	12 pairs	72 pairs

WORKNIT® – NITRILE COATED GLOVES



86/3526

Super tough nitrile coating outwears fabric and ordinary impregnated gloves.

FEATURES AND BENEFITS

- Super tough nitrile coating outwears fabric and ordinary impregnated gloves.
- Specially designed flexible material offers best gripping power for handling a wide range of materials. Fits the hand securely and comfortably for better feel. 3-dimensional stretch to reduce hand fatigue.
- Rust color won't show soiling as quickly as canvas gloves.
- Perforated back style provides coolness where heat buildup is a problem.
- Dry cleanable for added value and longer life.
- Complies with the USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, general maintenance work, light assembly, manufacturing, part handling, sheet metal handling

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
86/3526	Nitrile coated, perforated back, men's	M, L, XL	12 pairs	144 pairs
86/3516	Nitrile coated, perforated back, women's	M, L, XL	12 pairs	144 pairs

WORKNIT® COLD DUTY – SUPPORTED NITRILE GLOVES



85/5729



85/27295

Tough protection from the cold.

FEATURES AND BENEFITS

- Nitrile coating withstands abrasion better than most leather palm gloves, yet is flexible.
- Heavy-weight insulated liner gives worker superior cushioning for tough jobs. Absorbs perspiration and provides warmth.
- Cotton lining for greater comfort.
- Gunn cut, wing thumb style lasts longer by keeping the seams out of the wear area. Offers the wearer greater comfort than other styles.
- Coating provides excellent dry grip.
- 2 styles of cuffs to fit your specific needs.
- Recommended for temperatures down to -30°F (-34°C)* ❄️.

** People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.*

APPLICATIONS:

- Baggage handling, cold storage work, outdoor work

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
85/5729 ❄️	Slip on with black striped back, men's	M, L, XL	12 pairs	36 pairs
85/27295 ❄️	Knit wrist with black striped back, men's	M, L, XL	12 pairs	36 pairs

ROUGH TUFF – LAMINATED NATURAL RUBBER GLOVES*



T431

Heavy duty protection for the toughest jobs.

FEATURES AND BENEFITS

- Heavy seamless cotton blend knit glove, ultra resistant to wear.
- Can be laundered with minimal shrinkage.
- Laminated latex palm and fingers provide excellent abrasion resistance, good grip and extra long wear life.
- Meets a variety of rugged applications.

APPLICATIONS:

- Widely used in the plywood industry against splinters

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
T431	Seamless cotton blend knit glove. Natural rubber laminated palm.	10XL	12 pairs	72 pairs

LEATHER PALM GLOVES



2370LPBI

Good quality leather palm gloves provide an economical solution for many general purpose applications.

FEATURES AND BENEFITS

- Knuckle strap provides additional protection for the back of the hand.
- Safety cuff allows rapid withdrawal of hand in emergency situations.
- Gunn cut design minimizes wearer contact with seams for better comfort and longer life.
- Wing thumb reduces wearer fatigue.

APPLICATIONS:

- Construction and general maintenance work

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
2370LPBI	Shoulder split leather, gunn cut pattern, safety cuff, men's	10XL	12 pairs	120 pairs

WELDERS GLOVES



1590GI

Economical glove for general welding applications.

FEATURES AND BENEFITS

- Fully-lined for heat protection.
- Gunn cut design minimizes wearer contact with seams for better comfort and longer life.
- Wing thumb reduces wearer fatigue.

APPLICATIONS:

- Welding

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
1590GI	Gray split leather, men's	10XL	12 pairs	72 pairs

General Purpose Gloves

LSB SAND BLASTER SERIES – SUPPORTED NEOPRENE WITH ATTACHED SLEEVES



T14413228

LSB – Durable and comfortable sand blasting cabinet glove

FEATURES AND BENEFITS

- Extended sleeve provides arm protection.
- Cotton liner in glove and sleeve absorbs perspiration.
- Available with 28" sleeve opening (9" diameter port).

APPLICATIONS:

- Sand blasting

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
T14413228	Neoprene glove, PVC sleeve, 32" sleeve length, 28" sleeve opening	11XXL	1 pair	1 pair

NORTH POLAR® – INSULATED LEATHER PALM GLOVES



70/8110NKY



70/8710NKR



70/6465NK

High performance protection from the worst of winter weather.

FEATURES AND BENEFITS

- 3M Thinsulate® liner provides protection from cold.
- Waterproof vinyl liner prevents hands from getting wet.
- Extended knitwrist provides additional weather protection.
- Gunn cut with wing thumb for comfort.
- Colors to match your favorite sports team.
- Recommended for temperatures down to -36°F (- 38°C)* ❄️.

APPLICATIONS:

- Cold conditions work including construction, forestry, snow clearing, de-icing, highway work, baggage handling, maintenance work and cold storage

Thinsulate® is a registered trademark of the 3M Company.

** People react differently to cold. What is comfortable to some may be uncomfortable to others and factors such as level of exertion, precipitation, wind chill and humidity will affect how cold a person feels. Working temperature recommendations are made in good faith but may not apply to all individuals and all situations.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
70/6465NK ❄️	Split cowhide, gunn pattern, wing thumb safety cuff, blue with yellow back	Men's (L), Women's (S)	12 pairs	72 pairs
70/8810NKP ❄️	Brown with orange back	Men's (L)	12 pairs	72 pairs
70/8710NKR ❄️	Blue with red back	Men's (L)	12 pairs	72 pairs
70/8210NKY ❄️	Black with yellow back	Men's (L)	12 pairs	72 pairs
70/8110NKY ❄️	Green with yellow back	Men's (L)	12 pairs	72 pairs
70/8510NKB ❄️	Gray with blue back	Men's (L)	12 pairs	72 pairs
70/8510NKR ❄️	Gray with red back	Men's (L)	12 pairs	72 pairs
70/8710NKP ❄️	Blue with orange back	Men's (L)	12 pairs	72 pairs

General Purpose Gloves

MECHANIC'S GLOVES



M3000



M2900



M2900LC



M2800

Long lasting gloves for the trades professional.

FEATURES AND BENEFITS

EXPERT

- Top of the line mechanic's gloves, fit as good as they look
- Deer skin grain palm for extreme comfort, added sensitivity and productivity
- Reinforced knuckle band provides additional protection
- Leather palm is reinforced to add additional strength and wear
- Spandex backing offers form fitting elasticity and comfort

SENIOR-PRO

- Excellent dexterity and durability
- Extremely resistant bi-color Clarino® synthetic leather on palm, thumb & index finger
- Padded palm patch provides additional protection
- Blue stretch Spandex backing for comfort & fit
- Velcro closure provides adjustability and secure closure

WINTER SENIOR-PRO

- Same features as Senior-Pro
- Winter lined with Thinsulate®
- Hands are warm and comfortable

SENIOR-PRO

- Durable, good looking and well priced
- Black Clarino® synthetic palm leather for dexterity and durability
- Black Spandex backing for comfort and fit
- Velcro closure provides adjustability and secure closure

APPLICATIONS:

- Auto repair and maintenance, construction, contracting.

Clarino® is a registered trademark of Kuraray Co., Ltd.

Thinsulate® is a registered trademark of the 3M company.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
M3000	Mecano Expert: deerskin grain leather palm and fingers, black spandex back, knuckle strap, reinforced palm and finger tips	7S, 8M, 9L and 10XL	1 pair	72 pairs
M2900	Mecano Senior Pro: gray and black Clarino® palm and fingers, blue spandex back, padded & reinforced palm, reinforced thumb	7S, 8M, 9L and 10XL	1 pair	72 pairs
M2900LC	Mecano Winter Senior Pro – As M2900 but with addition of Thinsulate® liner for cold protection.	8M, 9L and 10XL	1 pair	72 pairs
M2800	Mecano Junior Pro: black Clarino® palm and fingers, black spandex back	7S, 8M, 9L and 10XL	1 pair	72 pairs



Cut-Resistant Gloves

by Honeywell



NORTHFLEX LIGHT TASK PLUS II™ – PU COATED DYNEEMA® GLOVES



NFD15



A light and comfortable glove that provides excellent cut and abrasion resistance combined with the cool comfort of Dyneema®.

FEATURES AND BENEFITS

- Seamless, cut resistant liner is made from Dyneema®, which weight for weight outperforms aramid fibers in cut and abrasion resistance and is up to 15 times stronger than steel.
- ANSI cut level 1 and EN388 cut level 2 performance.
- PU (polyurethane) palm coating is light for comfort and maximum tactility, but provides high abrasion and puncture resistance.
- Glove conforms to the shape of the hand and provides minimal resistance to hand movement, thus greatly reducing fatigue.
- The back of the glove is un-coated, for ventilation and wearer comfort.
- Contains no reaction causing, natural rubber proteins.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- This glove is ideally suited to applications involving the handling of sharp objects, such as sheet metal and glass.
- Sheet metal handling, metal fabrication work, automotive and other assembly work.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFD15	White Dyneema® liner, coated with white PU.	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 Pairs	72 Pairs

NORTHFLEX LIGHT TASK PLUS II BLACK™ – BI-POLYMER COATED DYNEEMA® GLOVES



NFD15B



Tough Dyneema® glove in dirt-hiding gray and black.

FEATURES AND BENEFITS

- Seamless Dyneema® liner is cool and comfortable.
- ANSI cut level 2 and EN388 cut level 3 performance.
- Bi-polymer coating is a blend that combines the best properties of nitrile and PU (polyurethane) to provide a surface that is mechanically tough, grippy and flexible.
- Black and gray colors hide grime making this glove a great choice for dirty applications.
- Fully launderable for extended use.
- The back of the glove is un-coated, for ventilation and wearer comfort.

APPLICATIONS:

- This glove is suited to many applications involving the handling of sharp objects, particularly dirty applications such as sheet metal and abrasives handling.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFD15B	Gray Dyneema® liner, coated with black bi-polymer coating.	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 Pairs	72 Pairs

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.



North Safety Products is a global DSM Dyneema® license holder and North Dyneema® gloves come with the assurance that they have been tested and approved by DSM themselves. The guarantee of pure Dyneema® can only come from a licensed manufacturer. Dyneema® is a registered trademark of Royal DSM N.V.

NORTHFLEX LIGHT TASK PLUS 3™ PU PALM COATED DYNEEMA® GLOVE



NFD16G



Medium-weight cut resistant glove that offers a great compromise between mechanical protection and wearer comfort.

FEATURES AND BENEFITS

- Seamless Dyneema® liner is up to 15 times stronger than steel (weight for weight) and outperforms aramid fibers in cut and abrasion resistance.
- ANSI cut level 2 and EN388 cut level 3 performance.
- North's Dyneema® shell is stretchy and form fitting, allowing superior dexterity.
- The PU coating provides exceptional abrasion resistance, but is light enough to ensure workers retain outstanding dexterity and tactility.
- Gray color hides dirt, making it a good choice for many tough and dirty applications.
- The back of the glove is un-coated, for ventilation and comfort.
- Contains no reaction causing, natural rubber proteins.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Ideally suited to material handling and assembly work involving sharp objects like sheet metal, metal shavings, glass and metal parts.
- Sheet metal fabrication, machine shops, glass industry, automotive and other assembly work.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFD16G	Gray Dyneema® shell, coated with gray PU	7S, 8M, 9L, 10XL, 11XXL	12 Pairs	72 Pairs

NORTHFLEX LIGHT TASK PLUS 5™ BI-POLYMER PALM COATED DYNEEMA® GLOVE



NFD20B



High performance cut resistant glove that gives up nothing in wearer comfort.

FEATURES AND BENEFITS

- Highly advanced seamless liner contains "stretch-broken" Dyneema® yarn that is cool, stretchy and amazingly light.
- 13 gauge liner also contains glass fiber for enhanced cut resistance.
- ANSI cut level 3 and EN388 cut level 5 performance.
- Liner is stretchy and form fitting, allowing superior dexterity.
- Bi-polymer coating is a blend that combines the best properties of nitrile and PU (polyurethane) to provide a surface that is mechanically tough, grippy and flexible.
- Black and dark blue colors hide grime making this glove a highly practical choice for the dirtiest of jobs.
- Fully launderable for extended use.
- The back of the glove is uncoated, for ventilation and comfort.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Suited to applications requiring a moderate to high level of protection from cut hazards combined with a high degree of dexterity and feel, such as material handling and assembly work involving sharp objects like sheet metal, metal shavings, glass and metal parts, for example; sheet metal fabrication, machine shops, glass industry, automotive and other assembly work.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFD20B	Dark Blue Dyneema® liner with black bi-polymer coating	7S, 8M, 9L, 10XL, 11XXL	12 Pairs	72 Pairs

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.

NORTHFLEX DYNEEMA®/GLASS FIBER SLEEVES



NFDS16



A light and comfortable sleeve that provides excellent cut and abrasion resistance combined with superior levels of dexterity and tactility, and the cool comfort of Dyneema®.

FEATURES AND BENEFITS

- Constructed from a technical yarn consisting of Dyneema® and glass fiber for a high degree of cut resistance.
- Dyneema® outperforms aramid fibers in cut and abrasion resistance and is up to 15 times stronger than steel.
- EN388 cut level 5 performance.
- Close fit minimizes snagging and enhances safety.
- Cool feeling Dyneema® fiber is comfortable and less itchy than aramid fibers.
- Knitted construction allows the arm to breathe.

APPLICATIONS:

- These sleeves are intended for use with cut resistant gloves and are ideally suited to applications where cut hazards to the lower arm are present, such as sheet metal handling, metal fabrication work, automotive and other assembly work

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFDS16	Gray marl Dyneema®/glass fiber sleeve.	Universal	12 Sleeves	48 Sleeves

NORTHFLEX NITRI TASK KL™ – NITRILE PALM COATED KEVLAR®/LYCRA® GLOVES



NFKL13

Provide cut and abrasion resistance without compromising dexterity, tactility and comfort.

FEATURES AND BENEFITS

- Advanced seamless shell containing Kevlar® for cut resistance and Lycra® for comfort and fit.
- ANSI cut level 1 and EN388 cut level 2 performance.
- The liner conforms to the shape of the hand and provides minimal resistance to hand movement, thus greatly reducing fatigue.
- Textured nitrile coating gives impressive grip on wet or oily surfaces.
- The nitrile coating also offers good abrasion, tear and heat performance and is resistant to solvents, oils and fats.
- The back of the glove is un-coated, for ventilation and wearer comfort.
- Contains no reaction causing natural rubber proteins.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- This glove is ideally suited to applications involving the handling of sharp objects, such as sheet metal and glass.
- Sheet metal handling, fabrication work, automotive and other assembly work.
- Exposure to oils, fats and solvents (not immersion)

Kevlar® and Lycra® are registered trademarks of the DuPont Company.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFKL13	Yellow Kevlar®/Lycra® shell, coated with black textured nitrile	6XS, 7S, 8M, 9L, 10XL, 11XXL	12 Pairs	144 Pairs

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.



North Safety Products is a global DSM Dyneema® license holder and North Dyneema® gloves come with the assurance that they have been tested and approved by DSM themselves. The guarantee of pure Dyneema® can only come from a licensed manufacturer. Dyneema® is a registered trademark of Royal DSM N.V.

NORTHFLEX NITRI TASK C5™ FOAMED NITRILE PALM COATED ARAMID/STEEL GLOVES



NFF13C

Provides heavy duty mechanical protection without the bulk and restriction of movement that you might expect from a cut level 5™ glove.

FEATURES AND BENEFITS

- 10 gage seamless shell contains aramid and steel for high resistance to cuts and other mechanical hazards.
- ANSI cut level 4 and EN388 cut level 5 performance.
- The shell is form-fitting and comfortable and provides surprisingly little resistance to hand movement.
- The foamed nitrile coating provides impressive grip on wet or oily surfaces.
- The coating extends to the knuckles to provide additional wearer protection.
- Nitrile has excellent abrasion, tear and heat performance and is resistant to solvents, oils and fats.
- The back of the glove is un-coated, for ventilation.
- Contains no reaction causing natural rubber proteins.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Ideally suited to applications where cut and abrasion hazards are prevalent, such as handling sheet metal, blades, glass, metal shavings or any sharp objects.
- Sheet metal fabrication, machine shops, glass industry, automotive and other assembly work.

**Tested in accordance with EN 388.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFF13C	Aramid/Steel shell, coated with dark blue foamed nitrile.	7S, 8M, 9L, 10XL	12 Pairs	72 Pairs

NORTHFLEX DURO TASK PLUS™ – NATURAL RUBBER COATED KEVLAR® GLOVES*



NFK14

Tough Kevlar® glove with great grip.

FEATURES AND BENEFITS

- 100% rubber coating is an economical alternative to nitrile coated gloves.
- ANSI cut level 2 and EN388 cut level 4 performance.
- Seamless liner is more comfortable and lessens hand fatigue. Does not irritate hands.
- Unique texture finish provides sure grip on oily, wet or dry objects. Gloves are coated on the fingertips and thumb crotch which minimizes wear on high stress areas.
- Uncoated back design allows gloves to breathe for more comfort.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.

APPLICATIONS:

- Automotive assembly, electronics, general maintenance work, light assembly, manufacturing, small part handling

Kevlar® is a registered trademark of the Dupont company.

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFK14	100% Kevlar, natural rubber coated	7S, 8M, 9L, 10XL, 11XXL	12 pair	72 pair

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.

NORTHFLEX NITRI TASK PLUS™ – NITRILE PALM COATED KEVLAR® GLOVES



NFK13

100% Kevlar® with the superior abrasion resistance of nitrile.

FEATURES AND BENEFITS

- ANSI cut level 3 and EN388 cut level 4 performance.
- Nitrile palm coating provides excellent grip and longer life.
- Seamless liner offers superior comfort, lessens hand fatigue and does not irritate hands.
- 100% Kevlar liner provides protection against cuts, snags and slashes.
- Uncoated back design allows hands to breathe for more comfort.
- Cuff over-stitching is color-coded by size to aid sorting after laundering.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, fabrication, manufacturing, sheet metal handling

Kevlar® is a registered trademark of the Dupont company.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
NFK13	100% Kevlar, nitrile coated	7S, 8M, 9L, 10XL, 11XXL	12 pairs	72 pairs

GRIP N® KEVLAR® HOT MILL – NITRILE COATED GLOVES



52/7456

Protection from cut hazards at elevated temperatures.

FEATURES AND BENEFITS

- Provides protection against intermittent heat up to 400° F.
- Nitrile palm coating provides excellent grip and longer life.
- Knit design allows hands to breathe, unlike cut/sewn hot mill gloves.
- Available with extended cuffs for additional protection above the wrist.
- Two glove design has outer glove made of Kevlar and cotton for cut/slash protection and inner glove of cotton/polyester for insulation.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Automotive assembly, construction work, cutting operations

PART NO.	DESCRIPTION	ANSI / EN388 CUT LEVEL	SIZES	INNER PACK	CASE PACK
52/7456	Blended Kevlar, nitrile "N" both sides, knitwrist	3/5	Men's (M)	12 pairs	72 pairs
52/7406	Blended Kevlar, uncoated, knitwrist	3/5	Men's (M)	12 pairs	72 pairs
52/7456C	Blended Kevlar, nitrile "N" both sides, 4" starched cuff	3/5	Men's (M)	12 pairs	72 pairs

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WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.

GRIP N® KEVLAR® – NITRILE COATED KEVLAR GLOVES



Versatile and comfortable cut resistant gloves.

FEATURES AND BENEFITS

- Nitrile “N” coating improves grip and extends life due to better abrasion resistance.
- Knit construction provides superior comfort (no seams for chafing) and less hand fatigue.
- Machine washable or dry cleanable. Permits easy recycling for longer life and maximum value with minimal shrinkage.
- Ambidextrous design gives wearer four sides instead of two to further enhance value, also no sorting after recycling. The gloves also come in a variety of styles and weights to fit your needs.
- Blended design offers economical alternative. Puts Kevlar on outside for cut/slash protection and cotton/polyester on inside for worker comfort.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Fabricating, manufacturing, sharp part handling, sheet metal handling

PART NO.	DESCRIPTION	ANSI / EN388 CUT LEVEL	SIZES	INNER PACK	CASE PACK
52/6647	Medium-weight, blended Kevlar, nitrile “N” coated	2/3	Men’s (M), Women’s (S)	12 pairs	144 pairs
52/6607	Medium-weight, blended Kevlar, uncoated	2/2	Men’s (M), Women’s (S)	12 pairs	144 pairs
52/6747	Medium-weight, 100% Kevlar, nitrile “N” coated	3/4	Men’s (M), Women’s (S)	12 pairs	144 pairs
52/6707	Medium-weight, 100% Kevlar, uncoated	3/4	Men’s (M), Women’s (S)	12 pairs	144 pairs
52/6645	Heavy-weight, blended Kevlar, nitrile “N” coated	3/4	Men’s (M)	12 pairs	72 pairs
52/6605	Heavy-weight, blended Kevlar, nitrile uncoated	3/4	Men’s (M)	12 pairs	72 pairs
52/6745	Heavy-weight, 100% Kevlar, nitrile “N” coated	4/4	Men’s (M)	12 pairs	72 pairs
52/6705	Heavy-weight, 100% Kevlar, nitrile uncoated	4/4	Men’s (M)	12 pairs	72 pairs

NORTH KEVLAR® LEA SERIES GLOVES



Modern knit glove with the traditional virtues of leather.

FEATURES AND BENEFITS

- ANSI cut level 3 and EN388 cut level 3 performance.
- Knit construction provides superior comfort (no seams for chafing) and less hand fatigue.
- Machine washable or dry cleanable. Permits easy recycling for longer life and maximum value with minimal shrinkage.
- Leather palm provides puncture and abrasion resistance.

APPLICATIONS:

- Automotive assembly, fabrication, glass handling

Kevlar® is a registered trademark of the Dupont company.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
62/7506	100% Kevlar, leather palm, knitwrist	8M, 10XL	6 pairs	72 pairs

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.

Cut-Resistant Gloves

NITRI-KOTE® KEVLAR® – NITRILE FULLY COATED KEVLAR® GLOVES



78/2742

Fully coated, yet breathable Kevlar® glove provides cut and wear resistance with grip and comfort.

FEATURES AND BENEFITS

- ANSI cut level 2 performance.
- 100% Kevlar® shell for cut resistance.
- Seamless construction provides superior comfort and lessens hand fatigue.
- Unique nitrile coating process allows gloves to be fully coated for long wear, yet is fully breathable.
- Launderable and dry clean-able with minimal shrinkage.
- Ambidextrous design gives user four wear surfaces for maximum economy. No need to sort after laundering.

APPLICATIONS:

- Applications involving the handling of sharp objects, such as sheet metal and glass. Also automotive assembly, general maintenance work, light assembly, manufacturing, small part handling.

Kevlar® is a registered trademark of the DuPont Company.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
78/2742	Yellow Kevlar® shell, coated with brick colored nitrile	Men's (M), Women's (S)	12 Pairs	144 Pairs

STAINLESS STEEL MESH GLOVES



74/SRC616

Provide the highest level of protection from cut hazards.

FEATURES AND BENEFITS

- Meets the requirements of EN 1082-1995 "Gloves and arm guards protecting against cuts and stabs by hand knives".
- Cut resistance performance exceeds the requirements of ANSI and EN388.
- Constructed from individually welded, high tensile stainless steel rings to maximize strength and durability.
- Highly resistant to oils, fats, corrosion and staining.
- Easy to clean.
- Ambidextrous style (fits either hand).
- Snap closure at the wrist provides a snug fit.
- Five sizes available for a safe and comfortable fit on a wide range of users.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Particularly suited to meat cutting applications in the food processing industry.
- Also suitable for working with blades and for applications within cutting and sewing operations, the pulp and paper industry and in animal control.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
74/SRC616	Stainless Steel mesh glove, ambidextrous, snap closure.	XS, S, M, L, XL	1 glove	Sold Individually

CAUTION: Cut resistance data in this catalog is given in good faith and is intended to provide users with a means of comparing and selecting gloves. It does not provide a definitive statement on the likely performance of gloves in actual applications. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. Cut resistance testing of gloves is carried out under laboratory conditions, but minor variations between individual gloves and test blades means that a scatter of results is generally obtained. The average of these results is accepted to represent the performance level of the glove, but it is only an average. Results obtained for individual gloves of the same type can be lower or higher than the average.

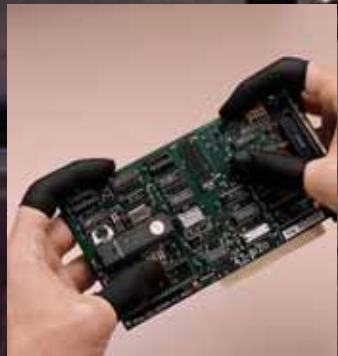
WARNING: Cut resistant gloves are designed to offer protection from potential cut hazards, but they are not cut-proof. Each glove has performance limits. Do not expose to moving blades or machinery.



®

Controlled Environment Gloves

by Honeywell



CHEMSOFT CE® UNSUPPORTED NITRILE GLOVES



CE412W

Cleanroom-ready disposable glove.

FEATURES AND BENEFITS

- Cleanroom packaged for protection against airborne contamination. Double bagged with cleanroom compatible packaging and labeling materials.
- State-of-the-art cleaning process reduces particulate contamination.
- Low modulus formulation is stretchier for a more comfortable fit.
- Testing: IEST-RP-CC005.3 for particles and extractables, ASTM 739 for permeation.
- Antistatic formulation eliminates static discharge in many cases.
- 100% nitrile rubber does not contain allergy-causing proteins.
- Rolled cuff prevents tearing when donning.

APPLICATIONS

- Cleanroom operations

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
CE412W	White, powder-free	XS, S, M, L, XL	Textured/rolled	12"/4 mil	100 gloves	1000 gloves

ANTI C – UNSUPPORTED NATURAL RUBBER GLOVES*



ATCP1815/O

Mil Spec compliant glove for nuclear industry use.

FEATURES AND BENEFITS

- High density, 100% natural rubber has excellent resistance against abrasions, snags, cuts, etc.
- Diamond embossed palm has a positive grip in wet and dry applications.
- Embossed hand sizes makes sorting after decontamination easy.
- Gloves are certified incinerable.
- Beaded cuff adds strength and tear resistance.
- Meets MIL-G-82242D.
- Chlorinated finish for ease in donning and doffing.

APPLICATIONS

- Power plant clean-ups, routine nuclear laboratory procedures and processing of materials for shipping, storage or decontamination.

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
ATCP1815/Y	Yellow, sanitized interior	8, 9, 10, 11	Diamond/beaded	15"/15 mil	12 pairs	144 pairs
ATCP1815/O	Orange, sanitized interior	8, 9, 10, 11	Diamond/beaded	15"/15 mil	12 pairs	144 pairs

AK – PREMIUM CLEANROOM CHEMICAL RESISTANT GLOVES*



AK1815/O

Natural rubber latex clean-room chemical resistant gloves.

FEATURES AND BENEFITS

- 100% natural rubber latex has excellent dexterity and elasticity.
- Powder-free manufacturing process reduces particulate and extractable contamination.
- Diamond embossed palm has excellent dry and wet grip.
- Cleanroom packaged to protect gloves from airborne contamination. Double bagged with cleanroom compatible packaging and labeling materials.
- Size embossed on gloves so there is no ink to contaminate process.
- Testing: IEST-RP-CC005.3 (modified) particulate and extractables; ASTM 739 permeation.

APPLICATIONS

- Cleanroom operations such as acid etching, handling etching and cleaning acids and caustics, lab room maintenance

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
AK1815/O	Orange, powder-free	7, 8, 9, 10, 11	Diamond/beaded	15"/20 mil	1 pair per inner bag 10 pairs per outer bag	10 outer bags (100 pairs)

Controlled Environment Gloves

SK – CLEANROOM CHEMICAL RESISTANT GLOVES



SK142W/HEM

Nitrile clean-room chemical resistant gloves.

FEATURES AND BENEFITS

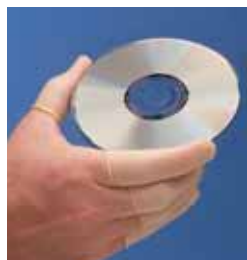
- Nitrile formulation has superior solvent resistance.
- 100% powder-free glove reduces particle contamination.
- Sandpatch finish has excellent wet and dry grip.
- Cleanroom packaged to protect gloves from airborne contamination. Double bagged with cleanroom compatible packaging and labeling materials.
- Size embossed on gloves so there is no ink to contaminate process.
- Testing: IEST-RP-CC005.3 (modified) particulate and extractables; ASTM 739 permeation.

APPLICATIONS

- Cleanroom applications requiring good abrasion resistance as well as resistance to solvents

PART NO.	DESCRIPTION	SIZES	GRIP/CUFF	LENGTH/GAUGE	INNER PACK	CASE PACK
SK142W/HEM	White, powder-free	7, 8, 9, 10, 11	Sandpatch/straight	13"/15 mil	1 pair per inner bag 10 pairs per outer bag	10 outer bags (100 pairs)

NATURAL RUBBER FINGER COTS – POWDER-FREE*



135LWR

Powder-free latex cots for clean processes.

FEATURES AND BENEFITS

- Multiple washed cots are powder-free and have low particle count. Less potential for contamination of item being handled.
- Very low extractables mean less contamination from reactive ions.
- 3 mil thickness provides excellent tactility.
- Multiple sizes for added comfort. Increases user acceptability and reduces fatigue.
- Uniform thickness assures equal sensitivity in all critical areas. Provides balanced protection to all areas covered.

APPLICATIONS

- Handling sensitive components and equipment. Providing protection from finger-born oils, salts, and particulates.

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
115LWR/S	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	S	720 cots (5 gross) per bag	30 bags (150 gross)
125LWR/M	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	M	720 cots (5 gross) per bag	30 bags (150 gross)
135LWR/L	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	L	720 cots (5 gross) per bag	30 bags (150 gross)
145LWR/XL	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	XL	720 cots (5 gross) per bag	30 bags (150 gross)

NATURAL RUBBER FINGER COTS – INDUSTRIAL WEIGHT*



2315WU

Heavy-weight latex cots for more demanding applications.

FEATURES AND BENEFITS

- Industrial weight 9 mil cots provide protection for heavy-duty applications. Longer wear, better durability than tissue cots.
- Tapered tip is more comfortable and fits fingers better.
- Available in four sizes for better worker fit and comfort.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS

- Battery manufacturing, electrical work, food processing, laboratory work, non-particle sensitive electronics, photo processing, watch manufacturing

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
2115WU/S	Long, white, unrolled mechanically cleaned, 9 mils x 2 ³ / ₄ "	S	144 cots (1 gross) per box	20 boxes (20 gross)
2215WU/M	Long, white, unrolled mechanically cleaned, 9 mils x 2 ³ / ₄ "	M	144 cots (1 gross) per box	20 boxes (20 gross)
2315WU/L	Long, white, unrolled mechanically cleaned, 9 mils x 2 ³ / ₄ "	L	144 cots (1 gross) per box	20 boxes (20 gross)
2415WU/XL	Long, white, unrolled mechanically cleaned, 9 mils x 2 ³ / ₄ "	XL	144 cots (1 gross) per box	20 boxes (20 gross)

NATURAL RUBBER STATIC DISSIPATIVE FINGER COTS – POWDER-FREE*



115LBR/S

Carbon impregnated latex cots avoid static build-up and protect sensitive components.

FEATURES AND BENEFITS

- Static dissipative quality will not rub or wash off. Cots do not depend on humidity or any surface ingredient. Static dissipative properties will not weaken with age. Consistent performance.
- Very rapid static decay. Will not permit buildup of destructive static energy. 5000 to 0 volts in 0.01 second. Maximum time allowed by MIL-B-81705B is 2.0 seconds.
- 2 x 10⁶ ohms/sq average surface resistivity allows rapid bleed-off of charge. Reference ASTM D 257.
- Virtually no static build-up on the hand of a grounded person.
- Meets requirements of ASTM X3772 for physical properties. Consistent high quality.
- Packaging complies with MIL-P-82646A. Conductive bag can be taken into the immediate work area.
- Black color makes monitoring of use in critical ESD production areas easy.
- Multiple washings make cots powder-free with very low particle count.

APPLICATIONS

- Handling static sensitive components, assemblies and equipment

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
115LBR/S	Long, black, rolled powder-free, 3 mils x 2 ³ / ₄ "	S	720 cots (5 gross) per bag	30 bags (150 gross)
12/LBR/M	Long, black, rolled powder-free, 3 mils x 2 ³ / ₄ "	M	720 cots (5 gross) per bag	30 bags (150 gross)
135LBR/L	Long, black, rolled powder-free, 3 mils x 2 ³ / ₄ "	L	720 cots (5 gross) per bag	30 bags (150 gross)
145LBR/XL	Long, black, rolled powder-free, 3 mils x 2 ³ / ₄ "	XL	720 cots (5 gross) per bag	30 bags (150 gross)

NATURAL RUBBER FINGER COTS – POWDERED*



324LWR/M

Versatile latex cots for many applications.

FEATURES AND BENEFITS

- Thin gauge for extremely high sensitivity.
- Tapered tip is more comfortable and fits fingers better.
- Available in four sizes for better worker fit and comfort.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS

- Battery manufacturing, electrical work, food processing, laboratory work, non-particle sensitive electronics, photo processing, watch manufacturing

**Caution: This product contains natural rubber latex proteins which may cause allergic reactions in some individuals.*

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
314LWR/S	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	S	1440 cots (10 gross) per bag	20 bags (200 gross)
324LWR/M	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	M	1440 cots (10 gross) per bag	20 bags (200 gross)
334LWR/L	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	L	1440 cots (10 gross) per bag	20 bags (200 gross)
344LWR/XL	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	XL	1440 cots (10 gross) per bag	20 bags (200 gross)
311LWR/S	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	S	144 cots (1 gross) per box	100 boxes (100 gross)
321LWR/M	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	M	144 cots (1 gross) per box	100 boxes (100 gross)
331LWR/L	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	L	144 cots (1 gross) per box	100 boxes (100 gross)
341LWR/XL	Long, white, rolled, powdered, 3 mils x 2 ³ / ₄ "	XL	144 cots (1 gross) per box	100 boxes (100 gross)

NITRILE ANTI-STATIC FINGER COTS – POWDER-FREE



115LNR

Special nitrile formulation provides great dexterity and avoids latex allergy issues.

FEATURES AND BENEFITS

- 100% nitrile formulation contains no natural rubber latex proteins that can cause an allergic reaction but offers stretch and comfort of natural rubber.
- Inherently anti-static and will eliminate damaging static discharge (surface resistivity of 10¹¹ ohms/sq.) in many applications.
- Multiple washed cots are powder-free and have low particle count. Less potential for contamination of item being handled.
- Very low extractables mean less contamination from reactive ions.
- 3 mil thickness provides excellent tactility.
- Multiple sizes for added comfort. Increases user acceptability and reduces fatigue.
- Uniform thickness assures equal sensitivity in all critical areas. Provides balanced protection to all areas covered.
- Comply with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS

- Clean-rooms, clean processes, pharmaceutical industry, electronics assembly, handling clean products and components.

PART NO.	DESCRIPTION	SIZES	INNER PACK	CASE PACK
115LNR/S	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	S	720 cots (5 gross) per bag	30 bags (150 gross)
125LNR/M	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	M	720 cots (5 gross) per bag	30 bags (150 gross)
135LNR/L	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	L	720 cots (5 gross) per bag	30 bags (150 gross)
145LNR/XL	Long, white, rolled powder-free, 3 mils x 2 ³ / ₄ "	XL	720 cots (5 gross) per bag	30 bags (150 gross)

NEOPRENE GLOVEBOX GLOVES



5N1532

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.



Premium quality neoprene glovebox gloves combine mechanical performance with wearer comfort.

FEATURES AND BENEFITS

- Manufactured from premium quality milled neoprene which provides high permeation resistance to vapors & gases.
- Resistant to a broad range of chemicals, including oils, greases, fuels and acetone.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- High tensile strength provides resistance to accidental tears.
- Good elongation provides flexibility; ideal for work requiring dexterity and sensitivity.
- Good abrasion resistance helps provide a long service life.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 6", 7", 8" and 10"
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Glovebox operations in the nuclear, defense, pharmaceutical, biotech, semi-conductor and manufacturing industries.

PART NO.	DESCRIPTION	SIZES	CUFF / PORT DIA.	LENGTH / GAUGE	INNER PACK	CASE PACK
5N1532	Neoprene, hand specific	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
5N1532A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
6N1532	Neoprene, hand specific	9Q (9 ³ / ₄)	6"	32"/15 mil	1 pair	32 pair
6N1532A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	6"	32"/15 mil	1 pair	32 pair
7N1532	Neoprene, hand specific	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
7N1532A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
8N1532	Neoprene, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
8N1532A	Neoprene, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
10N1532A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	10"	32"/15 mil	1 pair	32 pair
5N3032	Neoprene, hand specific	9Q (9 ³ / ₄)	5"	32"/30 mil	1 pair	16 pair
5N3032A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	5"	32"/30 mil	1 pair	16 pair
6N3032	Neoprene, hand specific	9Q (9 ³ / ₄)	6"	32"/30 mil	1 pair	16 pair
6N3032A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	6"	32"/30 mil	1 pair	16 pair
7N3032	Neoprene, hand specific	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
7N3032A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
8N3032	Neoprene, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
8N3032A	Neoprene, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
10N3032A	Neoprene, ambidextrous	9Q (9 ³ / ₄)	10"	32"/30 mil	1 pair	16 pair

Controlled Environment Gloves

HYPALON®/NEOPRENE GLOVEBOX GLOVES



North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.



8NY3032



Combines the flexibility and dexterity of neoprene with the ozone and chemical resistance of Hypalon.

FEATURES AND BENEFITS

- Neoprene layer provides high permeation resistance to vapors & gases as well as chemical resistance to oils, greases, fuels and acetone.
- Hypalon outer layer provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids. Also highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Hypalon also offers improved abrasion resistance, to further extend glove service life.
- Different colored neoprene and Hypalon layers provide a visual indication of glove damage or excessive wear.
- White Hypalon surface will not hide contamination and is easily cleaned.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Good elongation provides flexibility for work requiring dexterity and sensitivity.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 7", 8"

APPLICATIONS:

- Glovebox operations in the nuclear, defense, pharmaceutical, biotech, semi-conductor and manufacturing industries.

Hypalon® is a registered trademark of the Dupont company.

PART NO.	DESCRIPTION	SIZES	CUFF/PORT DIA.	LENGTH/GAUGE	INNER PACK	CASE PACK
8NY3032	Neoprene inner layer/hypalon outer layer, hand specific	8H (8½), 9Q (9¾), 10H (10½)	8"	32"/30 mil	1 pair	16 pair
8NY3032A	Neoprene inner layer/hypalon outer layer, ambidextrous	9Q (9¾), 10H (10½)	8"	32"/30 mil	1 pair	16 pair
7NY3032	Neoprene inner layer/hypalon outer layer, hand specific	9Q (9¾)	7"	32"/30 mil	1 pair	16 pair
7NY3032A	Neoprene inner layer/hypalon outer layer, ambidextrous	9Q (9¾)	7"	32"/30 mil	1 pair	16 pair
5NY3032	Neoprene inner layer/hypalon outer layer, hand specific	9Q (9¾)	5"	32"/30 mil	1 pair	16 pair
5NY3032A	Neoprene inner layer/hypalon outer layer, ambidextrous	9Q (9¾)	5"	32"/30 mil	1 pair	16 pair

HYPALON® DRYBOX GLOVES



North glovebox gloves can be customized to individual customer requirements.

Please contact North customer service.



8Y1532

Outstanding abrasion resistance and superior resistance to ozone and oxidizing chemicals.

FEATURES AND BENEFITS

- Hypalon provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids.
- Highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Very high abrasion resistance provides long glove service life.
- White Hypalon surface will not hide contamination and is easily cleaned (important for "clean" applications, such as in the pharmaceutical industry).
- Natural soft feel for greater worker comfort.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 6", 7", 8" and 10"

APPLICATIONS:

- Glovebox operations in the nuclear, defense, pharmaceutical, biotech, semi-conductor and manufacturing industries.



PART NO.	DESCRIPTION	SIZES	CUFF/PORT DIA.	LENGTH/GAUGE	INNER PACK	CASE PACK
5Y1532	Hypalon, hand specific	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
5Y1532A	Hypalon, ambidextrous	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
7Y1532	Hypalon, hand specific	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
7Y1532A	Hypalon, ambidextrous	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
8Y1532	Hypalon, hand specific	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
8Y1532A	Hypalon, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
10Y1532A	Hypalon, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	10"	32"/15 mil	1 pair	32 pair
5Y3032	Hypalon, hand specific	9Q (9 ³ / ₄)	5"	32v/30 mil	1 pair	16 pair
7Y3032	Hypalon, hand specific	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
8Y3032	Hypalon, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
8Y3032A	Hypalon, ambidextrous	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
10Y3032A	Hypalon, ambidextrous	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	10"	32"/30 mil	1 pair	16 pair

BUTYL GLOVEBOX GLOVES



8B1532A

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.

Highest resistance to permeation by gases and vapors.

FEATURES AND BENEFITS

- Butyl provides the highest permeation resistance to vapors and gases, as well as exceptional resistance to a broad range of toxic chemicals, making it the only suitable glove choice for many critical applications.
- Highly resistant to ketones (MEK, MIBK, acetone) and esters (tricresyl phosphate, amyl acetate, ethyl acetate).
- Butyl has a soft and flexible feel, even at low temperatures, which reduces hand fatigue and enhances worker comfort.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 6", 7", 8" and 10"
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Glovebox operations in the nuclear, defense, pharmaceutical, biotech, semi-conductor and manufacturing industries. Particularly suited to applications involving highly toxic chemical hazards, such as chemical weapons.



PART NO.	DESCRIPTION	SIZES	CUFF/PORT DIA.	LENGTH/GAUGE	INNER PACK	CASE PACK
5B1532A	Butyl, ambidextrous	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
5B1532	Butyl, hand specific	9Q (9 ³ / ₄)	5"	32"/15 mil	1 pair	32 pair
7B1532A	Butyl, ambidextrous	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
7B1532	Butyl, hand specific	9Q (9 ³ / ₄)	7"	32"/15 mil	1 pair	32 pair
8B1532A	Butyl, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
8B1532	Butyl, hand specific	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/15 mil	1 pair	32 pair
10B1532A	Butyl, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₁₀)	10"	32"/15 mil	1 pair	32 pair
5B3032A	Butyl, ambidextrous	9Q (9 ³ / ₄)	8"	32"/30 mil	1 pair	16 pair
5B3032	Butyl, hand specific	9Q (9 ³ / ₄)	8"	32"/30 mil	1 pair	16 pair
7B3032A	Butyl, ambidextrous	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
7B3032	Butyl, hand specific	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
8B3032A	Butyl, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
8B3032	Butyl, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
10B3032A	Butyl, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₁₀)	10"	32"/30 mil	1 pair	16 pair

VITON® GLOVEBOX GLOVES



8F2032

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.



Excellent resistance to permeation by chlorinated, aliphatic and aromatic solvents.

FEATURES AND BENEFITS

- Viton provides the highest permeation resistance to chlorinated, aliphatic and aromatic solvents and most oils and acids.
- Soft and flexible feel reduces hand fatigue and enhances worker comfort.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Ambidextrous and hand specific styles available.
- Port sizes of 7" and 8".
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Glovebox operations in the nuclear, defense, pharmaceutical, biotech, semi-conductor and manufacturing industries.

Viton® is a registered trademark of the Dupont company.

PART NO.	DESCRIPTION	SIZES	CUFF / PORT DIA.	LENGTH / GAUGE	INNER PACK	CASE PACK
8F2032	Viton, hand specific	8H (8½), 9Q (9¾), 10H (10½)	8"	32"/20 mil	1 pair	1 pair
8F2032A	Viton, ambidextrous	9Q (9¾), 10H (10½)	8"	32"/20 mil	1 pair	1 pair
7F2032	Viton, hand specific	9Q (9¾)	7"	32"/20 mil	1 pair	1 pair

LEAD-LOADED NEOPRENE GLOVEBOX GLOVES



8NLL3032

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.



The mechanical performance of neoprene with the added protection of radiation attenuation.

FEATURES AND BENEFITS

- 0.1 mm lead equivalency for attenuation of soft gamma radiation.
- High tensile strength provides resistance to accidental tears.
- Manufactured from premium quality milled neoprene which provides high permeation resistance to vapors & gases.
- Resistant to a broad range of chemicals, including oils, greases, fuels and acetone.
- Different colored neoprene and lead-loaded (orange) layers provide a visual indication of glove damage or excessive wear.
- Good abrasion resistance helps provide a long service life.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 7" and 8"

APPLICATIONS:

- Glovebox operations in the nuclear and defense industries.

PART NO.	DESCRIPTION	SIZES	CUFF / PORT DIA.	LENGTH / GAUGE	INNER PACK	CASE PACK
8NLL3032	Lead-loaded neoprene, hand specific	8H (8½), 9Q (9¾), 10H (10½)	8"	32"/30 mil	1 pair	16 pair
8NLL3032A	Lead-loaded neoprene, ambidextrous	9Q (9¾), 10H (10½)	8"	32"/30 mil	1 pair	16 pair
7NLL3032	Lead-loaded neoprene, hand specific	9Q (9¾)	7"	32"/30 mil	1 pair	16 pair
5NLL3032	Lead-loaded neoprene ambidextrous	9Q (9¾)	5"	32"/30 mil	1 pair	16 pair
5NLL3032A	Lead-loaded neoprene ambidextrous	9Q (9¾)	5"	32"/30 mil	1 pair	16 pair

Controlled Environment Gloves

LEAD-LOADED HYPALON® – NEOPRENE



8NLY3032

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.

Flexibility and chemical resistance with radiation attenuation.

FEATURES AND BENEFITS

- 0.1 mm lead equivalency for attenuation of soft gamma radiation.
- Neoprene layer provides high permeation resistance to vapors & gases as well as chemical resistance to oils, greases, fuels and acetone.
- Hypalon outer layer provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids. Also highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Hypalon also offers improved abrasion resistance, to further extend glove service life.
- Different colored neoprene, lead-loaded (orange) and Hypalon layers provide a visual indication of glove damage or excessive wear.
- White Hypalon surface will not hide contamination and is easily cleaned.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 7" and 8"

APPLICATIONS:

- Glovebox operations in the nuclear and defense industries.

Hypalon® is a registered trademark of the Dupont company.



PART NO.	DESCRIPTION	SIZES	CUFF / PORT DIA.	LENGTH / GAUGE	INNER PACK	CASE PACK
8NLY3032	Lead-loaded hypalon-neoprene, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1pair	16 pair
8NY3032A	Lead-loaded hypalon-neoprene, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1pair	16 pair
7NLY3032	Lead-loaded hypalon-neoprene, ambidextrous	9Q (9 ³ / ₄)	7"	32"/30 mil	1pair	16 pair
7NLY3032A	Lead-loaded hypalon-neoprene, ambidextrous	9Q (9 ³ / ₄)	7"	32"/30 mil	1pair	16 pair
5NLY3032A	Lead-loaded hypalon-neoprene, ambidextrous	9Q (9 ³ / ₄)	5"	32"/30 mil	1pair	16 pair

LEAD-LOADED HYPALON® GLOVEBOX GLOVES



8YLY3032

North glovebox gloves can be customized to individual customer requirements. Please contact North customer service.

Outstanding abrasion and chemical with radiation attenuation.

FEATURES AND BENEFITS

- 0.1 mm lead equivalency for attenuation of soft gamma radiation.
- Hypalon provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids.
- Highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Very high abrasion resistance provides long glove service life.
- White Hypalon surface will not hide contamination and is easily cleaned.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Different colored lead-loaded (orange) and Hypalon layers provide a visual indication of glove damage or excessive wear.
- Ambidextrous and hand specific styles available.
- Port sizes of 5", 7" and 8"

APPLICATIONS:

- Glovebox operations in the nuclear and defense industries.
- Hypalon® is a registered trademark of the Dupont company.*



PART NO.	DESCRIPTION	SIZES	CUFF/PORT DIA.	LENGTH/GAUGE	INNER PACK	CASE PACK
8YLY3032	Lead-loaded hypalon, hand specific	8H (8 ¹ / ₂), 9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
8YLY3032A	Lead-loaded hypalon, ambidextrous	9Q (9 ³ / ₄), 10H (10 ¹ / ₂)	8"	32"/30 mil	1 pair	16 pair
7YLY3032	Lead-loaded hypalon, hand specific	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
7YLY3032A	Lead-loaded hypalon, ambidextrous	9Q (9 ³ / ₄)	7"	32"/30 mil	1 pair	16 pair
5YLY3032	Lead-loaded hypalon, hand specific	9Q (9 ³ / ₄)	5"	32"/30 mil	1 pair	16 pair
5YLY3032A	Lead-loaded hypalon, ambidextrous	9Q (9 ³ / ₄)	5"	32"/30 mil	1 pair	16 pair

NEOPRENE SHORT GLOVEBOX GLOVES



N103A

Premium quality short glovebox gloves.

FEATURES AND BENEFITS

- Manufactured from premium quality milled neoprene which provides high permeation resistance to vapors & gases.
- Resistant to a broad range of chemicals, including oils, greases, fuels and acetone.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- High tensile strength provides resistance to accidental tears.
- Good elongation provides flexibility; ideal for work requiring dexterity and sensitivity.
- Good abrasion resistance helps provide a long service life.
- Ambidextrous.
- For use with sleeves.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.

APPLICATIONS:

- Glovebox operations in the pharmaceutical, biotech, semi-conductor, nuclear, defense, and manufacturing industries.



PART NO.	DESCRIPTION	SIZES	LENGTH/GAUGE	INNER PACK	CASE PACK
N103A	Neoprene, ambidextrous	7, 8, 9, 10	13"/10mil	1 pair	1 pair
N204A	Neoprene, ambidextrous	7, 8, 9, 10	14"/20mil	1 pair	1 pair

Controlled Environment Gloves

HYPALON® SHORT GLOVEBOX GLOVES



Y103

Short glovebox gloves with outstanding abrasion resistance and superior resistance to ozone and oxidizing chemicals.

FEATURES AND BENEFITS

- Hypalon provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids.
- Highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Very high abrasion resistance provides long glove service life.
- White Hypalon surface will not hide contamination and is easily cleaned (important for “clean” applications, such as in the pharmaceutical industry).
- Natural soft feel for greater worker comfort.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Ambidextrous and hand specific styles available.
- For use with sleeves.

APPLICATIONS:

- Glovebox operations in the pharmaceutical, biotech, semi-conductor, nuclear, defense, and manufacturing industries.

Hypalon® is a registered trademark of the Dupont company.



PART NO.	DESCRIPTION	SIZES	LENGTH/GAUGE	INNER PACK	CASE PACK
Y103	Hypalon, hand specific	7, 8, 9, 10	13"/10mil	1 pair	1 pair
Y103A	Hypalon, ambidextrous	7, 8, 9, 10	13"/10mil	1 pair	1 pair
Y154A	Hypalon, ambidextrous	7, 8, 9, 10	14"/15mil	1 pair	1 pair
Y254A	Hypalon, ambidextrous	7, 8, 9, 10	14"/25mil	1 pair	1 pair

HYPALON® SLEEVES



YSL2027

Long-lasting sleeves for use in glovebox glove and sleeve assemblies.

FEATURES AND BENEFITS

- Hypalon provides superior resistance to ozone and oxidizing chemicals such as alcohols, alkalis and acids.
- Highly resistant to the effects of UV radiation in both artificial light and sunlight.
- Very high abrasion resistance provides long glove service life.
- White Hypalon surface will not hide contamination and is easily cleaned (important for “clean” applications, such as in the pharmaceutical industry).
- Natural soft feel for greater worker comfort.
- Solvent based, multi-dip manufacturing process provides multiple layers of polymer (like a glove within a glove) which results in a glove of superior quality.
- Good tensile strength provides resistance to accidental tears.
- Ambidextrous and hand specific styles available.
- For use with short glovebox gloves.

APPLICATIONS:

- Glovebox operations in the pharmaceutical, biotech, semi-conductor, nuclear, defense, and manufacturing industries.

Hypalon® is a registered trademark of the Dupont company.



PART NO.	DESCRIPTION	CUFF DIAMETER	LENGTH/GAUGE	INNER PACK	CASE PACK
YSL2027	Hypalon	10"	27"/20 mil	1 each	1 each

Controlled Environment Gloves

NORTH NITRI-BOX™ – NITRILE GLOVEBOX GLOVES



8LA1832A/9Q



The first one-piece glovebox gloves to be made from nitrile, for superior comfort and better protection.

FEATURES AND BENEFITS

- One piece design is more convenient and safer than nitrile glove-and-sleeve assemblies.
- Proprietary North nitrile formulation offers a great combination of chemical resistance, mechanical protection and wearer comfort.
- Nitrile provides good protection from a broad range of chemicals, including acids, bases, alcohols, esters and solvents.
- It is also mechanically robust with good abrasion, puncture, cut and snag resistance.
- No other glovebox gloves offer greater wearer comfort than Nitri-Box. They are light in weight (up to 30% lighter than comparable gloves) and have a unique, soft and flexible feel.
- Hand fatigue is dramatically reduced and worker efficiency and productivity is maximized.
- Compatible with alcohol cleaning practices. Will not degrade or become slippery.
- Textured grip provides safer grip of both wet and dry objects
- Inherently anti-static - surface resistance is $10^{11} \Omega/\text{sq}$ providing safer working where electro-static build-up is a concern.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.
- Ambidextrous.
- Port sizes of 8" and 10".

APPLICATIONS:

- Glovebox operations in the pharmaceutical, biotech, semi-conductor, nuclear, defense, and manufacturing industries.

PART NO.	DESCRIPTION	SIZES	LENGTH/GAUGE	INNER PACK	CASE PACK
8LA1832A/9Q	Nitrile, ambidextrous	9Q ($9\frac{3}{4}$)	8"	32"/18 mil	5 Pairs 10 Pairs
10LA1832A/10H	Nitrile, ambidextrous	10H ($10\frac{1}{2}$)	10"	32"/18 mil	5 Pairs 10 Pairs

NITRILE ISOLATOR SLEEVES



NIT2708



Economical sleeves for use with North NitriGuard and Chemsoft Industrial nitrile gloves.

FEATURES AND BENEFITS

- Gives the user the flexibility to replace gloves without having to replace sleeves.
- Can be used with different styles and thicknesses of nitrile glove.
- Proprietary North nitrile formulation offers a great combination of chemical resistance, mechanical protection and wearer comfort.
- Nitrile provides good protection from a broad range of chemicals, including acids, bases, alcohols, esters and solvents.
- It is also mechanically robust with good abrasion, puncture, cut and snag resistance.
- Compatible with alcohol cleaning practices. Will not degrade or become slippery.
- Inherently anti-static - surface resistance is 1011 ohms/sq providing safer working where electro-static build-up is a concern.
- Complies with USDA and FDA regulations, 21 CFR, for use in food processing.
- Available for port sizes of 8" and 10".

APPLICATIONS:

- Glovebox operations in the pharmaceutical, biotech, semi-conductor, nuclear, defense, and manufacturing industries.

PART NO.	DESCRIPTION	CUFF/PORT DIA.	LENGTH/GAUGE	INNER PACK	CASE PACK
NIT2708	Nitrile sleeve	8"	27"/23 mil	1 Pair	96 Pairs
NIT2710	Nitrile sleeve	10"	27"/23 mil	1 Pair	96 Pairs

Glove Selection by Application

GENERAL APPLICATION	GLOVE TYPE	PART NUMBER EXAMPLES	PG
Asbestos Abatement & Mold Remediation	Liquid-Proof Un-Supported Nitrile & Natural Rubber, Supported Nitrile & PVC	LA102G, LA132G, NK803, PNLB1815, T1412WG	12-15
Autoclave	Insulated Supported Nitrile	NK803IN, NK804IN	13
Automotive Assembly	Seamless Coated and Uncoated Knits, Nitrile-Knit Supported Nitrile	NK803, NK804, NF11, NF11X, NF35, NF13, NFF13, K511, 78/1142, 79/1191, 81/1162, 82/6142, 85/3729, M2900	13, 20-29, 32, 37-41
Automotive Assembly with Cut Hazards	Seamless Coated and Uncoated Kevlar & Dyneema Knits	NFD15, NFD15B, NFD16G, NFD20B, NFDS16, NFKL13, NFF13C, 52/6647, 52/6645, 78/2742	34-40
Automotive Degreasing & Chemical Handling	NitriGuard Nitrile, Nitrile-Knit Supported Nitrile, Butyl, Silver Shield	LA102G, LA132G, CS113B, NK803, NK803ES, B131, B161, SSG	12, 13, 16, 18
Automotive Painting	Lint-free coated and un-coated knits	79/1752, 79/1702, 81/1762, NF15	23, 25, 27
Aviation Assembly & Maintenance	Butyl, Silver Shield	B131, B161, SSG	16, 18
Baggage Handling (Cold Conditions)	Insulated Gloves - NorthFlex-Cold Grip, Worknit CD, North Polar, Nitrile-Knit	NF11HD, 85/5726, 70/6465NK, NK803IN, NK804IN	13, 21, 29, 31
Battery Manufacturing	Un-Supported Natural Rubber, Nitrile, Butyl & Silver Shield. Supported Nitrile	PNLB1815, LA102G, CS113B, B131, SSG, NK803, NK804, NK803ES, NK803IN, NK804IN	12, 13, 16, 17
Chemical (Hazmat) Cleanup	Butyl, Viton, Silver Shield	B131, B131R, F101, SSG	16-18
Cleanroom Operations	Unsupported Nitrile or Natural Rubber	CE412W, AK1815/O, SK142W//HEM	42, 43
Cold Conditions	Insulated Gloves - Nitrile-Knit, NorthFlex Cold Grip, North Polar, Worknit CD, Winter Task, Deckhand, Mecano Winter Pro	NK803IN, NK804IN, NF11HD, 70/6465NK, 85/5729, 3500FWG, T1412FWG, M2900LC	13-15, 21, 29-32
Fishing (Commercial)	Supported Nitrile - Nitrile-Knit, Supported PVC - Trawler King, Deckhand, Summer Spitfire, Winter Task	NK803, NK803IN, NK804, NK804IN, 840FWG, 3500KW, 2520FWG, T1412WG	13-14
Construction - Cement, Mortar, Plaster Handling	Supported and Un-Supported Nitrile	LA102G, LA132G, NK803, NK804	12, 13
Construction - General	Supported PVC, Palm Coated Knits, Worknit HD Cut-n-Sewn, Leather Palm	3500KW, 2520FWG, NF11, NF11HD, NF11HVV, NF14, NF13, 85/3729, 85/3424, 2370LPBI	14, 15, 20-22, 28, 30
Dip Tank/Drum Cleaning and Maintenance	Extended Sleeve Supported Nitrile and PVC	NK803ES, NK803ESIN, 1812FWG24, 1812FWG01	13, 15
Domestic Preparedness	Butyl, Viton, Silver Shield	B131, B174, B144GI, F101, F124, SSG	16-18
Electronic Assembly/Static Sensitive Components	Thin Gauge Coated Knits and Anti-Static Gloves and Finger Cots	NF15, NF15ESD, CE412W, 100LBR, 100LNR	23, 42, 44, 45
Food Handling - Bakery	Hot Mill Gloves	51/7146, 51/7146SP	26
Food Handling - Boning & Carving (knives)	Steel Mesh, Dyneema & Kevlar Cut Resistant Gloves, Unsupported Nitrile	74/SRC616, NFD15, NFKL13, 52/6607, 52/6707	34-40
Food Handling - Catering, Food Preparation	Nitrile & Natural Rubber Disposables	LA049PF, T425	10
Food Handling - Meat and Fish Packing/Canning	Unsupported Nitrile or Natural Rubber	LA111EB, LA111EBFL, CS113B, CS153B, PNLB1815	12, 13
Food Handling - Cold Storage	Insulated Liquid Resistant Gloves - Nitrile-Knit, NorthFlex Cold Grip, North Polar	NK803IN, NK804IN, NF11HD, 70/6465NK	
Forestry	Palm Coated Knits, Supported PVC	NF14, NF11, NF11HD, 3500KW, 2520FWG	14, 15, 20, 21
Furniture Stripping	Un-Supported Nitrile, Silver Shield	LA102G, LA132G, SSG	12, 18
Glass Handling	Grip-N Nitrile and Duro-Task Natural Rubber Coated Knits	79/1191, NF11, NF13, NFF13, NF14, NF15	20, 22, 23, 25
Glovebox Operations - All	Glovebox Gloves and Sleeves	8Y1532, 8B1532, 8N1532	46-54
Glovebox Operations - Toxic Chemical Hazards	Butyl Glovebox Gloves	8B1532A, 8B3032A	49
Glovebox Operations - Nuclear	Hypalon, Neoprene & Lead Loaded Glovebox Gloves	8Y1532, 8N1532, 8NY1532, 8YLY3032	50-52
Glovebox Operations - Pharmaceutical	Hypalon, Neoprene & Nitrile Gloves & Sleeves	10N1532A, 10Y1532A, N103A, Y103A, YSL2027, 10LA1832A, NIT2710, CS113B	12, 46, 48, 52-54
Grinding	Worknit HD Cut-N-Sewn Nitrile, Leather Palm, Supported Nitrile	85/3729, 2370LPBI, NK803, NK804, NK803IN, NK804IN	13, 28, 30
Hot Parts Handling	Hot Mill Gloves & Insulated Supported Nitrile Gloves	51/7146, 52/7456, NK803IN, NK804IN	13, 26, 39
Isolator Box Operations	Hypalon, Neoprene & Nitrile Short Gloves and Sleeves	N103A, Y103A, YSL2027, NIT2710, CS113B	12, 52-54
Janitorial	Unsupported Nitrile or Natural Rubber	LA102G, LA132G, CS113B, CS153B, PNLB1815	
Laboratory Work	Disposables, Unsupported Nitrile	LA049PF, T425, LA102G, LA132G	10, 12
Nuclear Plant Procedures & Maintenance	Anti-C (Anti Contamination) Gloves	ATCP1815/Y, ATCP1815/O	42
Oily Material Handling	Palm Coated Knits - NorthFlex Oil Grip, NitrileTask Foam; Supported Nitrile - Nitrile-Knit	NF35, NFF13, NK803, NK804	13, 21, 22
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Petro-Chemical Manufacturing	Nitrile, Butyl, Viton, Silver Shield	LA102G, LA132G, CS113B, B131, F101, SSG	12-18
Plating Operations	Unsupported Nitrile	LA102G, LA132G, CS113B, CS153B	12
Printing	Unsupported Nitrile	LA102G, LA132G, CS113B, CS153B	12
Refinery	Supported Nitrile and PVC	NK803/NK804, 840FWG, 3500KW, 2520FWG, T1412WG	13-15
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Wood Handling/Splinter Prevention	Palm Coated Knit, Worknit HD Cut-N-Sewn Nitrile and Leather Palms	T431, 85/3729, 2370LPBI	30
Warehousing and Distribution	Uncoated, Coated, Palm Coated Knits	11RK, K511, 79/1191, 78/1142, NF11, NF14, NF13	20-22, 24, 25, 27
Welding	Leather Welder's Glove	1590GI	30
Worker Visibility	Hi-Viz Gloves	NF11HVV	20

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Recommendations above are given in good faith and are intended to serve as a guideline for selecting the most suitable hand protection products for your application. However, as North Safety Products has no detailed knowledge or control over the actual conditions of use, these recommendations are advisory only. It is the responsibility of the end user to select appropriate personal protective equipment (including hand protection) and to exercise caution and common sense when exposing workers to potential hazards in the work place. North recommends that hand protection products are tested to determine their suitability for your applications and employees.

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DISPOSABLE GLOVES

LIQUID & CHEMICAL RESISTANT GLOVES

GENERAL PURPOSE GLOVES

CUT RESISTANT GLOVES

CONTROLLED ENVIRONMENT

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USA

2000 Plainfield Pike, Cranston, RI 02921

Tel: 401-943-4400

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Norcross Customer Service: 800-777-9021

CANADA

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Toll Free Tel: 1-888-212-SAFE (7233)

Fax: 514-355-SAFE (7233)

EUROPE

THE NETHERLANDS

Tel: +31(0)118 656400

Fax: +31(0)118 627535

LATIN AMERICA

Tel: 1-954-322-1691

ASIA & PACIFIC

Tel: 61-3-9337-9111

CHINA

Tel: 86-10-67892289/90/91

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