



# FOOD PROCESSING

INDUSTRY SPECIFIC PROTECTION SOLUTIONS

**Ansell**





**COMFORT, PERFORMANCE  
& SAFETY COMBINED**



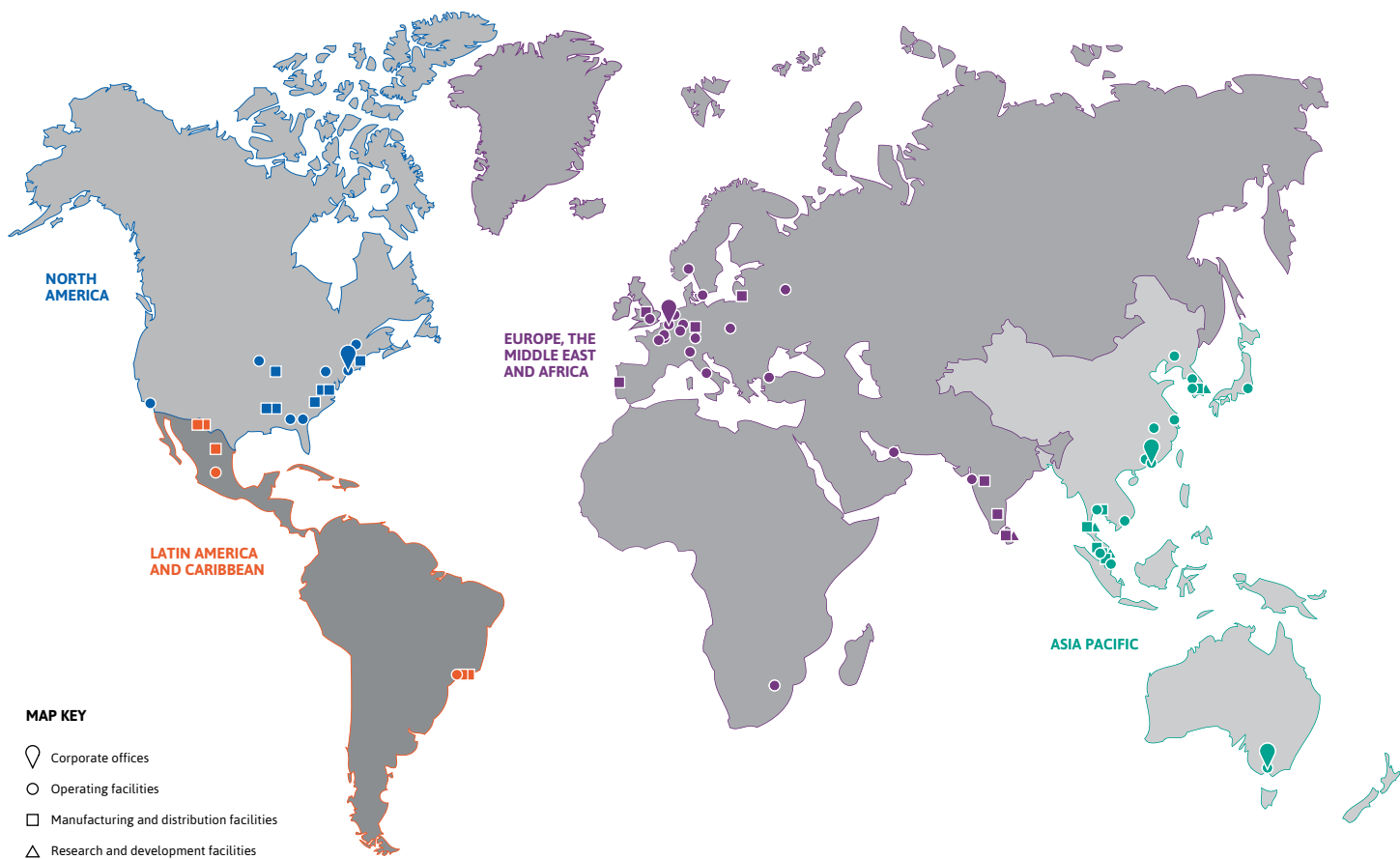




# KEEPING YOUR WORKFORCE SAFE

## GLOBAL SALES AND SUPPLY CHAIN INFRASTRUCTURE CREATES A SIGNIFICANT COMPETITIVE ADVANTAGE

- 14,000 EMPLOYEES
- 52 FACILITIES
- 120 EMPLOYEES DEDICATED TO RESEARCH & DEVELOPMENT



## DEDICATED TO SAFETY

PRODUCTS ENGINEERED BY ANSELL ARE TRUSTED TO DELIVER THE OPTIMUM BALANCE OF COMFORT, PERFORMANCE AND PROTECTION. FROM OUR VERSATOUGH® TO ONGUARD BRANDS, WE PROVIDE CUSTOMERS WITH TAILORED SOLUTIONS TO IMPROVE WORKER SAFETY AND PRODUCTIVITY.



# ANSELL AND THE FOOD INDUSTRY

For over 100 years, Ansell has been recognized for continually innovating and leading the hand protection, protective clothing and boot industries – delivering user-driven performance you won't see from anyone else.

No single material can resist all dangerous chemicals, and exposure can happen in different ways: splash or immersion. Selecting the right chemical protection requires an understanding of the work environment and regulations governing the chemicals used. **Each Ansell protective product reflects materials choices, construction decisions and manufacturing details designed to improve the worker experience.**

The requirements and hazards involved in food processing plants call for hand and clothing protection that helps workers do their jobs safely, efficiently and comfortably.

OUR OWN QUALITY STANDARDS EXCEED SOME OF THE STRICTEST INDUSTRY AND GOVERNMENT REQUIREMENTS DESCRIBED IN MOST MANUFACTURING AND SAFETY REGULATIONS.



## SERVICE TO PROVIDE PEACE OF MIND IN PRODUCT SELECTION

---

### ANSELL GUARDIAN® IS A UNIQUE SUITE OF MANAGEMENT TOOLS HELPING BUSINESSES IMPROVE SAFETY AND PRODUCTIVITY WHILE REDUCING COSTS.

Our proprietary service has been awarded with patent protection by the United States Patent & Trademark Office. Ansell Guardian® is an inherent component of our culture.

#### METHODOLOGY

The overall Ansell Guardian® methodology is based on the Six Sigma process improvement concept and delivers best-practice recommendations with the most impact for a customer's business.

The Ansell Guardian® strategy is a customer-centric methodology that employs a consistent approach to each operational area addressed:

**Analyze:** Ansell/customer team discusses the business objectives and understand the safety requirements.

**Benchmark:** Understand needs and establish current performance baseline to later quantify process improvements.

**Improve:** Development of an implementation plan for business improvement.

**Measure:** Quantify the success of the program against baseline measurements and establish new performance benchmarks.

**Expansion:** Implementation of the plan throughout your organization.

**Commitment:** We continue to monitor the success and performance of our recommendations and make adjustments as your business changes over time.



Ansell**GUARDIAN**®  
Global Safety Services





## SERVICES

The Ansell Guardian® portfolio of services hosts 5 major areas, including Product Guardian, Safety Guardian, Business Guardian, Chemical Guardian and Vending Guardian.

	<p>Product optimization solution identifying the most appropriate and comfortable hand and arm protection.</p> <p><b>Benefits:</b> Lower cost of ownership</p>
	<p>Safety solution that analyzes job requirements and provides recommendations based on best practices and analytical risk assessment procedures.</p> <p><b>Benefits:</b> Employee safety</p>
	<p>Business performance improvement and implementation across 7 cost drivers that measure financial progress.</p> <p><b>Benefits:</b> Business performance</p>
	<p>Ansell Chemical Guardian matches glove materials with your chemicals to offer a personalized glove assessment with recommended permeation times.</p> <p><b>Benefits:</b> Chemical glove recommendation</p>
	<p>Best-in-class portfolio that maximizes profit from vending efficiencies, improves worker compliance and offers better product performance.</p> <p><b>Benefits:</b> Lower total cost of ownership, increased safety, compliance and accessibility and improved productivity</p>

**For more information on Ansell Guardian, go to:**  
[www.ansell.com/ansellguardian](http://www.ansell.com/ansellguardian)





# OVERVIEW

Ansell hand protection and apparel products provide comprehensive solutions for applications across the food processing industry.

The portfolio features high-performance reusable gloves for managing cut and thermal risks, fully immersible gloves for working in liquid environments, single use gloves for versatile wet and dry applications and a versatile clothing line that offers protection from head to toe.



FOOD  
CONTACT



LIQUID  
RESISTANT



CUT  
PROTECTION



HEAT & COLD



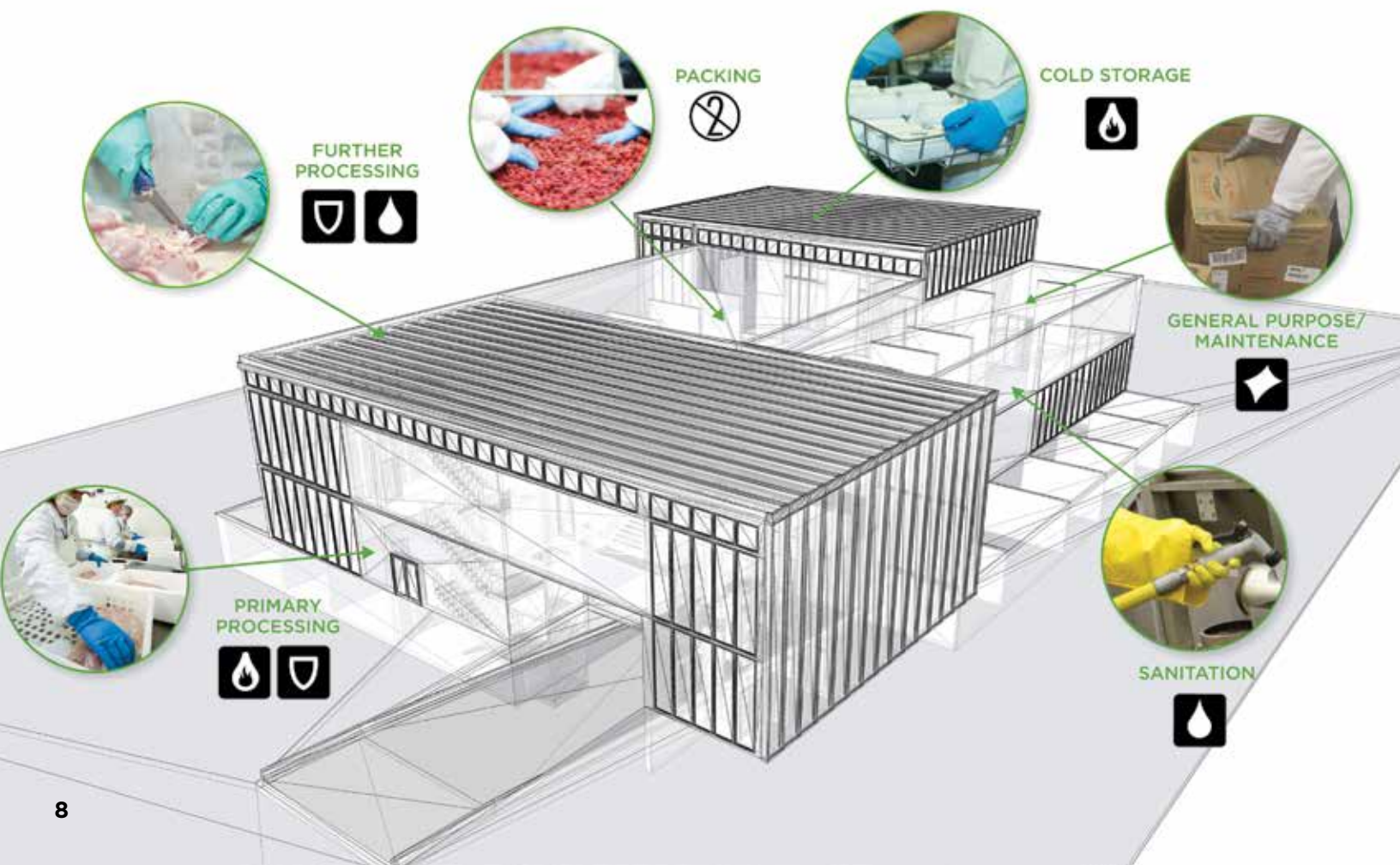
THERMAL  
& LIQUID  
RESISTANT



ABRASION,  
PUNCTURE &  
LIQUID RESISTANT

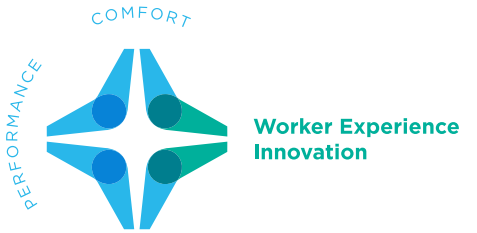


SINGLE-USE





# WORKER EXPERIENCE INNOVATION BY ANSELL



OVER 100 YEARS OF EXPERIENCE IN PRODUCT INNOVATION THAT IMPROVES WORKER EXPERIENCE. IN THE FOOD PROCESSING INDUSTRY, **WORKER EXPERIENCE INNOVATION** BY ANSELL FOCUSES ON TWO BENEFIT-BASED INNOVATION PLATFORMS: **PROTECTION** AND **PERFORMANCE**.

## PROTECTION TECHNOLOGIES

Ansell protection technologies shield workers from exposures, injuries and damage caused by their environment, industrial materials and equipment.



Cuts to the fingers, hands and arms are the most common types of injuries in food processing operations.\* Ansell Polar Bear® Cut Resistance Technology utilizes advanced material science safe for food handling, along with proprietary spinning and knitting processes to deliver cut protection you can count on every time.

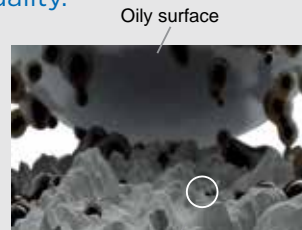


## PERFORMANCE TECHNOLOGIES

Ansell performance technologies enable workers to execute tasks more efficiently and effectively, and with greater speed, agility and quality.



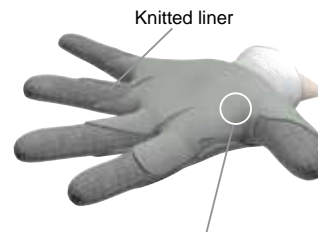
This coating treatment minimizes the force required to grip oily or wet tools or materials, reducing hand and arm fatigue and improving dexterity, safety and productivity.



ANSELL GRIP® coating treatment



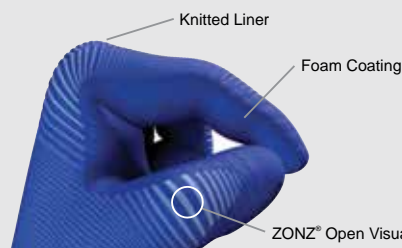
This liquid impermeable coating prevents oil or lubricants from making even incidental contact with the wearer's skin for improved hand health.



RIPEL™ liquid impermeable nitrile coating



ZONZ™ is an innovative knitting technology that uses varying stitch designs around stress areas, to tailor glove fit and enhance hand movement for higher dexterity and reduced fatigue.



Knitted Liner

Foam Coating

ZONZ® Open Visual Stitching



\*Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2012-13 Edition, Food Processing Occupations, on the Internet at <http://www.bls.gov/ooh/production/food-processing-occupations.htm>



# GUIDE TO ANSELL PROTECTION SOLUTIONS FOR THE FOOD PROCESSING INDUSTRY

## MECHANICAL PROTECTION

Cut injuries continue to be one of the most common worker risks, especially in food processing. A number of factors should be considered when providing cut protection. The glove material itself must be resistant to tears and abrasion, and have the appropriate grip and dexterity in order to safely handle sharp objects and cutting tools.

Brand	Category	Positioning	Benefits
<b>VersaTouch®</b>	Food processing	Hand protection and apparel products provide comprehensive solutions for applications across the food processing industry.	<ul style="list-style-type: none"><li>• Cut resistance</li><li>• Liquid resistance</li><li>• Thermal</li><li>• Single use</li><li>• General purpose</li><li>• Clothing</li></ul>

## BODY PROTECTION

Hands are not the only parts of the body that need protection from contaminants in the food processing industry. Protective clothing for the rest of the body needs to be part of the overall safety program, regardless of whether workers are receiving, processing or packing the food.

Brand	Category	Positioning	Benefits
<b>VersaTouch®</b>	Food processing	Hand protection and apparel products provide comprehensive solutions for applications across the food processing industry.	<ul style="list-style-type: none"><li>• Cut resistance</li><li>• Liquid resistance</li><li>• Thermal</li><li>• Single use</li><li>• General purpose</li><li>• Clothing</li></ul>
<b>TRELLCHEM®</b>	Clothing	TrellChem® suits are designed to give excellent durability for extended use in chemical response missions, with each suit providing protection against a variety of chemicals.	<ul style="list-style-type: none"><li>• Reusable</li><li>• High chemical resistance</li><li>• Abrasion resistant</li><li>• Flame resistant</li><li>• Anti-static</li><li>• Radioactive resistance</li></ul>





## LIQUID PROTECTION

In most food processing operations, there are an abundance of moisture, oils and fat. These substances can cause many hand protection and productivity challenges, including an inability to solidly grip materials and food particles being handled.

Brand	Category	Positioning	Benefits
<b>VersaTouch®</b>	Food processing	Hand protection and apparel products provide comprehensive solutions for applications across the food processing industry.	<ul style="list-style-type: none"> <li>• Cut resistance</li> <li>• Liquid resistance</li> <li>• Thermal</li> <li>• Single use</li> <li>• General purpose</li> <li>• Clothing</li> </ul>
<b>TouchNTuff®</b>	Single use	The optimal balance of sensitivity and resilience. Advanced product and worker protection for managed risk environments.	<ul style="list-style-type: none"> <li>• Sterile/Non-sterile</li> <li>• Wide polymer selection</li> <li>• Diverse style variants</li> <li>• Multi-weight</li> <li>• Color choices</li> </ul>
<b>MICROFLEX®</b>	Single use	Purpose-built to outperform the competition by providing superior protection, pushing the boundaries of disposable glove performance and enhanced productivity.	<ul style="list-style-type: none"> <li>• Sterile/Non-sterile</li> <li>• Wide polymer selection</li> <li>• Diverse style variants</li> <li>• Multi-weight</li> <li>• Color choices</li> </ul>

## MAINTENANCE

Keeping a food processing operation running requires regular machine maintenance and other related non-food handling applications. Protecting workers with cut- and abrasion-resistant gloves that offer superior fit, dexterity and comfort, as well as a sure grip in oily conditions, helps keep injuries down and increases productivity.

Brand	Category	Positioning	Benefits
<b>HyFlex®</b>	Mechanical	The optimal balance of flexibility and performance. Advanced mechanical protection for managed risk environments.	<ul style="list-style-type: none"> <li>• Abrasion resistant</li> <li>• Oil repellent</li> <li>• Cut resistant</li> <li>• Multipurpose</li> <li>• Multi-duty</li> <li>• Ultralight</li> </ul>



## CATEGORIZATION

---

TO MAKE PRODUCT SELECTION EASIER, ANSELL'S FOOD PROCESSING CUT-RESISTANT GLOVES HAVE BEEN SEPARATED INTO **"GOOD," "BETTER" AND "BEST"** CATEGORIES.

Selection was based on a combination of **factors that contribute to fit and increased productivity**, including **dexterity, comfort, weight**, and yarn type.





---

Gloves classified as “**BETTER**” provide above-average dexterity, comfort and performance. They feature engineered yarns for advanced cut protection, decreasing injuries on the job.

---

Gloves classified as “**GOOD**” display an average performance level in lab and field testing in the categories of dexterity, comfort, weight and yarn type.

---

Gloves chosen as the “**BEST**” were evaluated on comfort, weight and yarn type, and scored the highest in lab tests and field testing. They have the ideal fit and protection, providing a high level of cut and abrasion resistance for maximum safety and worker productivity.

---

**GOOD.  
BETTER.  
BEST.**



# TARGET SEGMENTS: UNDERSTANDING USER NEEDS AND APPLICATIONS

## PRIMARY PROCESSING

### USER NEEDS:

- Cut protection
- Puncture protection
- High abrasion
- Wet and oily grip

### APPLICATIONS:

- Slaughtering
- Defeathering
- Deskinning
- Primary cutting
- Carving
- Deboning



### BEST



VersaTouch® 74-710  
(Off-hand glove)



VersaTouch® 74-711  
(Knife-hand glove)



VersaTouch® 74-730  
(Off-hand glove)



VersaTouch® 74-731  
(Knife-hand glove)



VersaTouch®  
74-732

### BETTER



Polar Bear Paw  
Gard 74-048



Polar Bear  
Supreme 74-301



Polar Bear Paw  
Gard 72-027



Polar Bear Plus  
74-021

### GOOD



Polar Bear Plus  
74-045



Polar Bear  
74-047



Polar Bear  
74-035



VersaTouch  
72-400





# SANITATION & MAINTENANCE

## USER NEEDS:

- Chemical protection
- Cut protection
- Liquid protection
- Wet grip

## APPLICATIONS:

- Storing
- Transportation
- Equipment maintenance/repair
- Maintenance of wooden pallets
- Plant disinfection/sanitizing
- Washing cutting equipment



### BEST



VersaTouch  
37-510



VersaTouch  
37-646



VersaTouch  
87-155



VersaTouch  
88-356



VersaTouch  
88-356BT

### BETTER



VersaTouch  
37-200



VersaTouch  
37-210



VersaTouch  
87-255



VersaTouch  
88-343



VersaTouch  
88-392



VersaTouch  
88-394

### GOOD



VersaTouch  
26-665



VersaTouch  
87-297



Technicians  
88-390



# TARGET SEGMENTS: UNDERSTANDING USER NEEDS AND APPLICATIONS

## FURTHER PROCESSING

### USER NEEDS:

- Cut protection
- Liquid protection
- Thermal protection
- High abrasion
- Wet and oily grip

### APPLICATIONS:

- Slicing/Cutting/Chopping
- Filleting
- Steaming / Frying / Roasting
- Meat Salting
- Marinading
- Cooking



### BEST



Microflex XCEED  
XC-310



TouchNTuff  
92-600



TouchNTuff  
69-318



Dura-Touch  
34-650



Dura-Touch  
34-725

### BETTER



Microflex Ultraform  
UF-524



Microflex Onyx  
N64X



Dura-Touch  
34-740



TouchNTuff  
69-210



TouchNTuff  
92-500



TouchNTuff  
92-675

### GOOD



Microflex Cobalt  
N19X



TouchNTuff  
92-575



VersaTouch  
34-750



Dura-Touch  
34-755



## COLD STORAGE

### USER NEEDS:

- Liquid protection
- Thermal protection

### APPLICATIONS:

- Storing packed meats
- Storing bottles and cans
- Storing of raw materials



### HEAT PROTECTION



Scorpio®  
19-024



Scorpio®  
19-026



Crusader Flex  
42-474

### INSULATING PROTECTION



MultiKnit  
76-400



MultiKnit  
76-606



MultiKnit  
76-607



MultiKnit  
76-610



Therm-A-Knit®  
78-101



Therm-A-Knit®  
78-150

### COLD & LIQUID PROTECTION



Winter Monkey  
Grip 23-173



Winter Monkey  
Grip 23-193



VersaTouch  
23-200



VersaTouch  
23-201



VersaTouch  
23-202



HyCare  
62-400



VersaTouch  
62-401



Marigold  
Astroflex



# UNDERSTANDING CUT PROTECTION

## CUT INJURIES CONTINUE TO BE ONE OF THE MOST COMMON WORKER RISKS, ESPECIALLY IN FOOD PROCESSING.

It is important to understand the influences that can cause cut injuries so that they can be prevented in the workplace. Handling sharp objects like knives, blades and cutting tools presents an obvious risk, but there are other contributing factors. For instance an object's weight, a worker's grip, and the angle at which a sharp object is handled are all important factors to consider.

Products that provide “cut resistance” and “cut protection” do not completely prevent or eliminate the potential for cuts or punctures, and are not intended or tested to provide protection against powered blades or other sharp or rotating equipment. Users are encouraged to always use caution and care when handling sharp materials.

A variety of factors must be accessed when choosing cut protection. Primarily, the glove material itself must be resistant to tears and abrasion and have the appropriate grip and dexterity in order to safely handle tools. Beyond hand and body protection, safe working conditions are also very important. Machine guarding, workplace set-up and worker training are all keys to reducing cut injuries.



## CUT PROTECTION

**ANSELL HAS LONG BEEN THE GLOBAL LEADER IN DEVELOPING DEPENDABLE, QUALITY CUT RESISTANT PRODUCTS TO MEET THE VARYING NEEDS OF DIVERSE WORKER ENVIRONMENTS.**

Meeting either protection standard does not guarantee the avoidance of injury. Please see important warnings at the end of the section.





## THERE ARE ESSENTIALLY TWO TYPES OF TESTING METHODS AND RATING SYSTEMS THAT ARE ASSOCIATED WITH DETERMINING THE LEVEL OF CUT RESISTANCE FOR GLOVES, SLEEVES OR CLOTHING:

### ANSI/ISEA 105

THIS STANDARD ASSIGNS CUT RESISTANCE LEVELS ACCORDING TO THE GRAM WEIGHT FROM ASTM TESTING.

LEVEL 0 < 200 GRAMS  
LEVEL 1 > 200 TO 500 GRAMS  
LEVEL 2 > 500 TO 1,000 GRAMS  
LEVEL 3 > 1,000 TO 1,500 GRAMS  
LEVEL 4 > 1,500 TO 3,500 GRAMS  
LEVEL 5 > 3,500 GRAMS

### EN388 Cut Resistance Cycles and Levels

LEVEL 0 < 1.2 CYCLES  
LEVEL 1 > 1.2 CYCLES  
LEVEL 2 > 2.5 CYCLES  
LEVEL 3 > 5.0 CYCLES  
LEVEL 4 > 10.0 CYCLES  
LEVEL 5 > 20.0 CYCLES

### ASTM-1790 Test Method and ANSI/ISEA 105 Levels

This standard uses a Cut Protection Performance Test (CPPT) to measure the cut resistance of fabric. The test method measures the load (weight and cut through) in grams that a textile could withstand. The cut length in the material is 25 mm, using a 4" blade that comes in contact with the material only once.

### EN388 Test Method and EN388 Levels

This test method and rating system is used by many countries outside the United States. EN388 includes a series of tests to measure a variety of different protective performances associated with a material. The test measures abrasion, cut, tear and puncture.

The test is performed using a Coup Text machine, which is smaller than the one used in the ASTM 1790 test and has a circular blade that spins and is pulled across the fabric under a constant weight of 500 grams. The number of cycles the blade goes through before the material is cut is recorded to determine the EN388 levels.

Due to the wide range between levels, it is important to consider the CPPT grams as well as the ANSI level when selecting cut-resistant products.



Featuring Polar Bear®  
Cut Resistance Technology



# CUT PROTECTION

---

## KNITTING GAUGES

Gauges are associated with knitted gloves and measure the number and size of needles used per inch in the knitting process. For example, for 7 gauge gloves, 7 large needles are used to knit an inch. For 10 gauge gloves, 10 smaller needles are used per inch, and so on. The knitting gauge typically has an impact on the thickness and other aspects of a knitted glove. Smaller gauges use larger needles that carry more yarn with them, making the knit thicker and coarser. As new engineered fibers and yarns are developed, the knitting gauges used are increasingly higher to produce thinner, more dexterous gloves that provide excellent cut protection, comfort and fit.

## CUT RESISTANT YARNS AND FIBERS

There are several basic types of yarn used in cut-resistant products. However, in the food processing industry, where food safety is a factor, the most common are engineered yarns that include Spectra®, Dyneema® or other high molecular-weight polyethylene fibers. Engineered yarns typically start with Spectra or Dyneema fibers, and are then spun with other fibers that improve the performance of the yarn. Other types of fibers commonly used in engineered yarns include nylon, glass, steel and proprietary blends. Ansell Polar Bear® Cut Resistance Technology features proprietary engineered yarns and advanced knitting methods to deliver the highest level of cut resistance, in addition to superior dexterity, comfort and fit.

## FOR LAUNDERING ALL ANSELL FOOD PROCESSING CUT RESISTANCE GLOVES AND SLEEVES, FOLLOW THE INSTRUCTIONS BELOW.

- Use commercial laundry soap or detergent (may be bleached to help restore whiteness)
- Wash for 10 minutes in warm water, do not exceed 50°C (120°F)
- Rinse in cold water
- Use high-speed spin extraction for best results
- Tumble dry — do not exceed 70°C (160°F) or dry longer than 10 minutes

\*Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2012-13 Edition, Food Processing Occupations, on the Internet at <http://www.bls.gov/ooh/production/food-processing-occupations.htm>



Ansell innovation raises the standard in light weight, comfortable, cut-resistant gloves with the new 10 gauge, cut level 5 VersaTouch® 74-710 (off-hand) and 74-711 (knife-hand) gloves, and the new 13 gauge, cut level 4 VersaTouch 74-730 (off-hand) and 74-731 (knife-hand) gloves. Offering superior comfort without sacrificing cut protection, these gloves have been manufactured using patented technologies and a high-tech blend of yarns and fibers. In addition, the gloves are washable and remain shrink resistant after repeated launderings. The VersaTouch 74-710, 74-711, 74-730 and 74-731 gloves set the standard in comfort, quality and performance.

## VersaTouch® 74-710 Off-hand / VersaTouch® 74-711 Knife-hand

### CUT PROTECTION / FOOD CONTACT

KVSD provides enhanced cut protection in the high-stress areas of the hand

New comfort technology featuring moisture-body temperature management and Tuff-Cuff™ II

Feature Dyneema® Diamond Technology for advanced cut protection

Incorporates spandex to conform to the hand and retain ergonomic shape during use

Thermal under-liner may be optional, resulting in potentially reduced costs



74-710 Off-hand



74-711 Knife-hand

#### Technology



74-730 Off-hand



74-731 Knife-hand

## VersaTouch® 74-730 Off-hand / VersaTouch® 74-731 Knife-hand

### CUT PROTECTION / FOOD CONTACT

STYLE #	LINER MATERIAL	WEIGHT	ASTM F1790-97 CUT	ASTM D3389-94 ABRASION	EN RATING	GAUGE	CUFF STYLE	COLOR	SIZES	PACKAGING
VersaTouch® 74-710 (Off-hand glove)	Dyneema® Diamond Technology	Medium	5	4	454X	10	Tuff-Cuff™ II	Gray/Gold	7-11	12 each/case
VersaTouch® 74-711 (Knife-hand glove)	Dyneema® Diamond Technology	Medium	5	4	454X	10	Tuff-Cuff™ II	Gray/Gold	7-11	12 each/case
VersaTouch® 74-730 (Off-hand glove)	Dyneema® Diamond Technology	Light	4	4	444X	13	Tuff-Cuff™ II	Gray/Green	7-11	12 each/case
VersaTouch® 74-731 (Knife-hand glove)	Dyneema® Diamond Technology	Light	4	4	444X	13	Tuff-Cuff™ II	Gray/Green	7-11	12 each/case





# CUT PROTECTION

## Polar Bear® Paw Gard® 74-048

## CUT PROTECTION / FOOD CONTACT



### Description

The Polar Bear® Paw Gard® 74-048 is an ambidextrous glove that provides the ultimate cut protection in a light, comfortable, seamless glove.

### Featured Technology

Polar Bear® Cut Resistance Technology

### Technology



### Performance Ratings



Liner material	DSM Dyneema® fiber
Weight	Medium
Gauge	13
Cuff style	Extended Tuff-Cuff™
Color	Grey
Sizes	6-10
Packaging	12 each / case

## Polar Bear® Supreme 74-301

## CUT PROTECTION / FOOD CONTACT



### Description

The Polar Bear® Supreme 74-301 is a heavy weight, heavy duty ambidextrous glove made from three strands of stainless steel wrapped in man-made fiber for exceptional cut protection.

### Featured Technology

Polar Bear® Cut Resistance Technology

### Technology



### Performance Ratings



Liner material	DSM Dyneema® fiber
Weight	Medium
Gauge	13
Cuff style	Extended Tuff-Cuff™
Color	White
Sizes	6-10
Packaging	12 each / case



## VersaTouch® 74-732

## CUT PROTECTION / FOOD CONTACT



### Description

The perfect complement to the new cut resistant gloves! The new VersaTouch® 74-732 features an engineered yarn containing steel and glass fibers combined with Dyneema® to provide ANSI Level 4 cut resistance in food applications that present risks to a worker's arms. Just as comfortable as the gloves, the new sleeve allows for more mobility than other cut protective sleeves, leading to increased productivity and yield. The sleeve pulls on easily and clips into place for a relaxed fit and also features Tuff-Cuff™ II Technology.

### Technology



### Performance Ratings



**Liner material** DSM Dyneema® fiber

**Weight** Medium

**Gauge** 13

**Length** 21"

**Color** Gray

**Packaging** 6 each/case

## Polar Bear® Plus 74-021

## CUT PROTECTION / FOOD CONTACT



### Description

The Polar Bear® Plus 74-021 combines flexibility and mid-level cut resistance. Can be laundered repeatedly, even in bleach, without compromising flexibility or protective properties. Available with or without shoulder clip.

### Technology



### Performance Ratings



**Liner material** Spectra blend

**Weight** Medium

**Gauge** 7

**Length** 21"

**Color** White

**Packaging** 6 sleeves/case

## Polar Bear® Paw Gard® 72-027

## CUT PROTECTION / FOOD CONTACT



### Description

The Polar Bear® Paw Gard® 72-027 is manufactured from Spectra® and other high-tech fibers. It is lightweight, comfortable and flexible with highly superior cut resistance. Furthermore, it can be laundered repeatedly, even in bleach, without compromising flexibility or protective properties.

### Performance Ratings



**Liner material** Spectra blend

**Weight** Light

**Length** 10" & 20"

**Gauge** 10

**Color** Blue

**Packaging** 12 each/case



## LIQUID PROTECTION








---

**IN MOST FOOD PROCESSING OPERATIONS, THERE IS AN ABUNDANCE OF MOISTURE, OILS AND FAT. THESE SUBSTANCES CAN CAUSE MANY HAND PROTECTION AND PRODUCTIVITY CHALLENGES, INCLUDING AN INABILITY TO SOLIDLY GRIP THE MATERIALS AND FOOD PARTICLES BEING HANDLED.**

The innovative, new raised diamond grip pattern delivers unmatched grip in all wet, dry and oily conditions.





Pattern	Image	Description	Applications
<b>Raised Diamond</b>		Innovative, new raised diamond pattern works well when handling greasy, oily or smooth food particles.	Works well for both poultry and pork processing applications.
<b>Large Diamond</b>		Large diamond grip pattern works well in slightly wet and sometimes slick environments.	Ideal for vegetable processing and canning operations.
<b>Sandpatch</b>		Sandpatch grip channels fats and greases away from the surface of the glove.	Ideal grip for handling the types of fats inherent in beef or lamb processing operations.
<b>Fishscale</b>		Fishscale pattern offers good "suction" grip for working with wet or fatty food.	Superior grip pattern for poultry and fish processing.
<b>Pebble Embossed</b>		Pebble embossed pattern is particularly effective when handling wet produce, cans or bottles.	Very effective for fruit and vegetable processing and other food processing applications where maintaining a grip in watery conditions is important.
<b>Pebble</b>		Pebble grip pattern has medium elevation and a consistent, slightly rough surface.	Ideal for use in further processing applications in beef, lamb and pork.
<b>Crinkle</b>		Crinkle grip is a "heavy duty" pattern, best for handling wet, dry or slick food particles in cold environments.	Superior grip for fish and seafood processing.



# LIQUID PROTECTION

---

## MATERIAL

For food processing operations, natural rubber latex (NRL) and nitrile are the two most common glove material options. NRL is most frequently used in poultry, fish, dairy and fruit and vegetable operations. Conversely, nitrile is recommended when working with the types of fats inherent in meats like beef, lamb and pork. Nitrile is also a safe alternative for workers with an NRL allergy.

## ABRASION

An abrasion rating is based upon method ASTM D3389: a 4-inch circular test specimen is mounted on a horizontal-axis platform and is abraded to failure under a specified vertical weight load (of 500 or 1,000 grams) by the sliding rotation of two vertically-oriented abrading wheels, comprised of vitrified clay and silicon carbide abrasive particles. The number of revolutions required to abrade the gloves to failure is what constitutes an ANSI/ISEA 105-2000 classification. Most fall between an ANSI Level 1 and an ANSI Level 5.

## LIQUID RESISTANCE OVER CUT PROTECTION

In many food processing operations there is a need to wear a liquid-resistant glove over a cut-resistant glove for protection against liquids as well as to provide enhanced grip. This practice also helps keep the cut-resistant glove from getting soiled quickly, thereby reducing laundering turns and lowering costs.

## LINERS

Lined gloves have an internal knitted or woven liner that adds increased protection and improved sweat management. Flock-lined means that the gloves have an internal coating of short cotton fibers which promotes easier donning of gloves, as well as improved comfort. Unlined gloves have a higher degree of dexterity and tactility than lined gloves and are also a good choice for a liquid-resistant glove when worn over a cut-protection glove.

## LENGTH AND THICKNESS

Appropriate glove length should be determined based upon the type of coverage you are seeking. Essentially, the longer the glove, the better it will protect the wearer. Products rated to provide abrasion protection do not protect against all abrasion-related injuries; use caution when working with abrasive materials. Thicker gloves can provide more protection but are also less dexterous and tactile than their thinner counterparts. Both aspects should be taken into consideration when choosing the right glove for your food processing applications.









## CUFF OPTIONS

The cuff is very important to a glove’s functionality. Typically, a cuff design is applied to a specific type of glove to provide solutions to problems associated with the environment and applications for which the glove is used. For instance, most disposable or single use gloves are used in wet or oily applications and need to be changed frequently.

This is why a beaded cuff is best for a disposable glove because it catches droplets of liquids, oils and chemicals while providing extra tensile strength to withstand the donning and doffing process.

The following grid displays the most common cuff patterns and the primary functionality of each:

Pattern	Image	Description
<b>Rolled beaded cuff</b>		Offers increased protection from chemical, oil and fat droplets, and features increased cuff strength.
<b>Pinked cuff</b>		Features a zigzag design that catches drips in the cuff.
<b>Straight cuff</b>		Provides additional length so that the cuff can be turned down or “troughed” to protect from chemical, liquid and oil runoff.
<b>Safety cuff</b>		Helps protect the wrist, slides on and off easily and stays firm, even when exposed to perspiration.
<b>Gauntlet cuff</b>		Has the same features as a safety cuff with added protection for lower forearm. Design allows maximum movement of the forearm.
<b>Knitwrist cuff</b>		Fits snug to the wrist and is designed to hold glove in place while preventing debris from entering the glove.





# LIQUID PROTECTION


VersaTouch® 37-510/37-646

NITRILE / UNLINED



**Description**

For versatile liquid protection that performs across a diverse range of food processing applications, look no further than the VersaTouch 37-510 (blue) and VersaTouch 37-646 (green) gloves. Featuring a high-performance nitrile compound, the gloves provide an outstanding combination of liquid and chemical resistance and strength. The large diamond pattern helps maintain a strong grip in dry, wet and oily conditions. The gloves also offer superior snag, puncture and abrasion protection, and are extremely comfortable and dexterous, ideal for food handling or medium-duty cleaning.

<b>Performance Ratings</b>	
	
<b>Material</b>	Nitrile
<b>Liner Material</b>	Unlined
<b>Cuff style</b>	Straight
<b>Grip design</b>	Large Diamond
<b>Length</b>	13"
<b>Thickness</b>	11 mil
<b>Color</b>	37-510: Blue 37-646: Green
<b>Size</b>	7-11
<b>Packaging</b>	12 bags/case 12 pairs/bag


VersaTouch® 37-200/37-210

LIQUID RESISTANCE / NITRILE / UNLINED



**Description**

Ansell innovation raises the standard in lightweight nitrile gloves with the VersaTouch 37-200 (green) and VersaTouch 37-210 (blue), featuring Grip Technology. The raised diamond grip pattern delivers unmatched grip in wet, dry and oily conditions. In addition to the improved grip, the gloves are flexible and dexterous, key features for food processing operations.

<b>Performance Ratings</b>	
	
<b>Material</b>	Nitrile
<b>Liner Material</b>	Unlined
<b>Cuff style</b>	Straight
<b>Grip design</b>	Raised Diamond
<b>Length</b>	12.6"
<b>Thickness</b>	8 mil
<b>Color</b>	37-200: Green 37-210: Blue
<b>Size</b>	7-12
<b>Packaging</b>	12 bags/case 12 pairs/bag

VersaTouch® 88-356 / 88-356BT\*



LIQUID RESISTANCE / NATURAL RUBBER LATEX / UNLINED



**Description**

The VersaTouch® 88-356 gloves provide outstanding protection against snag, puncture and abrasion. With superior tactile sensitivity and dexterity, the gloves are the perfect choice to increase worker productivity and your bottom line. The fishscale pattern offers good suction grip for working in wet or dry conditions and is ideal for poultry and fish processing.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals including anaphylactic shock.*

<b>Performance Ratings</b>	
	
<b>Material</b>	Rubber Latex
<b>Cuff style</b>	Pinked
<b>Grip design</b>	Fishscale
<b>Length</b>	12"
<b>Thickness</b>	88-356: 17 mil 88-356BT: 13 mil
<b>Color</b>	88-356: Sky blue 88-356BT: Natural blue
<b>Size</b>	88-356: 7-11 88-356BT: 7-10
<b>Packaging</b>	88-356: 12 pairs/bag 88-356BT: container program only



## VersaTouch® 88-343

## NATURAL RUBBER LATEX/UNLINED



### Description

VersaTouch® 88-343 gloves provide heavy duty protection with excellent dexterity and tensile strength. The diamond embossed pattern offers outstanding grip in both wet and dry applications. Industry-specific uses include canning, case packing and heavy duty cleaning/sanitation.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals including anaphylactic shock.*

### Performance Ratings



Cuff style	Rolled beaded
Grip design	Diamond embossed
Length	12"
Thickness	20 mil
Color	Amber
Size	7-10
Packaging	12 bags/case 12 pairs/bag

## VersaTouch® 88-392

## NATURAL RUBBER LATEX/UNLINED



### Description

The pebble embossed design of the VersaTouch® 88-392 is excellent for canning and food processing, food packing and fruit and vegetable processing. Its dexterity, tensile strength and elasticity also make it a good choice for sanitation applications. Available in half-sizes.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals including anaphylactic shock.*

### Performance Ratings



Cuff style	Pinked
Grip design	Pebble embossed
Length	12"
Thickness	20 mil
Color	Natural
Size	6-11
Packaging	12 bags/case 12 pairs/bag

## VersaTouch® 88-394

## NATURAL RUBBER LATEX/UNLINED



### Description

The VersaTouch® 88-394 gloves feature a fishscale grip, making them an excellent choice for canning operations and beverage bottling. The 20 mil thickness provides good snag, puncture and abrasion resistance for fruit and vegetable handling and sanitation operations.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals including anaphylactic shock.*

### Performance Ratings



Cuff style	Pinked
Grip design	Fishscale
Length	12"
Thickness	20 mil
Color	Natural
Size	7-10
Packaging	12 bags/case 12 pairs/bag



# LIQUID PROTECTION

## VersaTouch® 87-155

## NATURAL RUBBER LATEX/FLOCKED / LINED



### Description

The perfect combination of tensile strength and sensitivity, this medium-weight glove provides snag, puncture and abrasion resistance for advanced liquid protection in food processing operations. Its fishscale pattern means workers can grip both wet and dry objects with ease. Ideal for poultry and fish processing, the VersaTouch® 87-155 is industry-preferred sky blue in color and is cotton flock lined for increased comfort and moisture management.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

### Performance Ratings



Liner Material	Cotton flock lined
Cuff style	Pinked
Grip design	Fishscale
Length	12"
Thickness	17 mil
Color	Sky blue
Size	7-10
Packaging	12 bags/case 12 pairs/bag

## VersaTouch® 87-255

## NATURAL RUBBER LATEX/FLOCKED / LINED



### Description

The **VersaTouch® 87-255** is a heavy weight glove with high tensile strength and features a fishscale pattern for excellent grip when working with wet, dry or oily food materials. Ideal for food packing, handling and sanitation/cleaning in the food processing industry.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

### Performance Ratings



Liner Material	Cotton flock lined
Cuff style	Pinked
Grip design	Fishscale
Length	12"
Thickness	20 mil
Color	Sky blue
Size	7-10
Packaging	12 bags/case 12 pairs/bag





# DISPOSABLE

When choosing disposable glove options for your food processing operation, there are several variables to consider, including the material of the glove, its thickness, whether it's powdered or powder free, and the grip pattern.

## THICKNESS

A common myth is that a thicker glove is a better glove. Through advances in research and development, many 3 mil gloves offer the same – or better – tensile strength and performance as a 5 mil glove. Consider other factors when choosing your disposable gloves, such as the type of food product being handled and the grip pattern best suited for it.

## GRIP PATTERN

With the VersaTouch® line of disposable gloves, you can choose from a smooth grip or a textured grip. Selection is largely dependent upon the food processing application and the types of foods – wet/slippery or dry/textured – workers will be handling. The grip property of a glove also greatly improves the wear life of the glove as well as overall worker productivity.



## MATERIAL

Ansell offers four material options in its FDA-approved line of disposable gloves:

- Natural Rubber Latex (NRL): Derived from natural rubber tree sap, NRL is known for its elasticity, sensitivity and liquid resistance
- PVC: Synthetic option for NRL; increased sensitivity and durability
- Vinyl: Latex-free with a looser fit to the hand; feels less restricting, easier donning and doffing
- Nitrile: Synthetic option for NRL; holds up well against cuts and abrasions and contains no organic proteins that can cause allergic reactions

CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.

## POWDERED VS. POWDER FREE

The VersaTouch® powdered glove options utilize FDA-approved, 100% USP cornstarch, which serves as an aid in easy donning and doffing of the glove. The decision to use a powdered or powder-free glove is typically a personal preference, although there is a possibility the cornstarch powder could come in contact with food materials being handled, and powdered natural rubber latex gloves present greater allergy risks than unpowdered natural rubber latex gloves.

## DISPOSABLE GLOVES OVER CUT PROTECTIVE

It is common in many Food Processing applications to wear a disposable or liquid protective glove over a cut resistant or thermal glove to protect from liquids and the under-glove from becoming wet or soiled quickly. Disposable gloves are the best choice for this type of protection when there is an increased need for dexterity and tactility (handling smaller pieces, for example) as well as minimum bulkiness.

# DISPOSABLE

## Microflex® XCEED® XC-310

### NITRILE / POWDER FREE



#### Description

Our XCEED® gloves are scientifically designed to reduce muscle effort without limiting the ability to meet the tactile demands of your work. The first certified ergonomic exam glove with textured fingertips for a great grip.

Cuff thickness	2.4 mils
Grip design	Textured Finger
Type	Powder free
Length	9.5"
Thickness	2.8 mil
Color	Blue
Size	XS-XL
Packaging	250 gloves/box 10 boxes/case XL 230 gloves/box 10 boxes/case

## TouchNTuff® 92-600

### NITRILE / POWDER FREE



#### Description

TouchNTuff® 92-600 is specifically designed for those at risk from chemical splashes at work. Further testing of TouchNTuff® on an even wider range of chemicals confirms that it resists a greater variety of industrial chemicals for longer periods than any other nitrile disposable gloves.

Cuff style	Rolled beaded
Grip design	Smooth
Type	Powder free
Length	9.5"
Thickness	5 mil
Color	Teal
Size	S-XL Ambidextrous
Packaging	100 gloves in a box 10 boxes in a case

## Microflex® Ultraform® UF-524

### NITRILE / POWDER FREE



#### Description

Soft formulation forms to your hands effortlessly, like a second skin. In field tests, users wearing Ultraform gloves experienced increased performance in fine motor tasks.

Material	Nitrile
Cuff thickness	2.2 mils
Grip design	Finger Textured
Length	9.1"
Thickness	2.4 mil
Color	Blue
Size	XS-XL
Packaging	300 gloves/box 10 boxes/case XL 200 gloves/box 10 boxes/case



## Microflex® Onyx® N64X

### NITRILE / POWDER FREE



#### Description

Deep black color makes this glove ideal for working around dirt, grime and oils. Textured fingers provide comfort with a great grip.

Material	Nitrile
Cuff thickness	2.8 mils
Grip design	Finger Textured
Length	9.6"
Thickness	3.5 mil
Color	Black
Size	S-XXL
Packaging	100 gloves/box 10 boxes/case

## TouchNTuff® 92-675

### NITRILE / POWDER FREE



#### Description

Offers three times the puncture resistance of standard latex or vinyl gloves. TouchNTuff® 92-675 combines excellent fingertip sensitivity with exceptional durability.

Material	Nitrile
Cuff style	Beaded
Grip design	Textured
Length	9.5"
Thickness	5 mil
Color	Blue
Size	S-XL, Ambidextrous
Packaging	100 gloves/box 10 boxes/case

## TouchNTuff® 92-500

### NITRILE / POWDERED



#### Description

TouchNTuff® 92-500 is soft and comfortable, with textured fingers for exceptional grip.

Material	Nitrile
Cuff style	Beaded
Grip design	Smooth
Length	9.5"
Thickness	5 mil
Color	Teal
Size	S-XL, Ambidextrous
Packaging	100 gloves/box 10 boxes/case





# DISPOSABLE

## TouchNTuff® 69-318

### NATURAL RUBBER LATEX / POWDER FREE



#### Description

The incredible sensitivity and strength of the TouchNTuff® 69-318 gloves make them an ideal choice for many food processing applications. Textured for increased grip and featuring a rolled beaded cuff, these gloves are excellent for both wet and dry applications. They also provide chemical splash protection, which makes them a good choice for sanitation and janitorial work.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

Cuff style	Rolled beaded
Grip design	Textured
Type	Powder free
Length	9"
Thickness	5 mil
Color	Natural
Size	S-XL Ambidextrous
Packaging	100 gloves/box 10 boxes/case

## Dura-Touch® 34-650 / 34-725

### PVC/POWDER FREE



#### Description

The Dura-Touch® 34-650 disposable gloves provide reliable protection without the risk of latex allergies. Made from premium quality PVC for extra durability, the glove is ideal for food processing operations, including sanitation and cleaning. It also comes in a 3 mil clear option – Dura-Touch® 34-725 – for an ultra-thin, barely there feel that provides the ultimate in dexterity and sensitivity.

Cuff style	Rolled beaded
Grip design	Smooth Finish
Type	Powder free
Length	9"
Thickness	34-650: 5 mil 34-725: 3 mil
Color	34-650: Blue 34-725: Clear
Size	S-XL Ambidextrous
Packaging	100 gloves/box 10 boxes/case

## Dura-Touch® 34-740

### PVC / POWDER FREE



#### Description

Because of its strength and durability, the Dura-Touch® 34-740 glove is often used over cut protection gloves for additional liquid protection. It can, however, be used alone and provides reliable protection in multiple food processing applications, including food handling and sanitation.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

Cuff style	Rolled beaded
Grip design	Smooth finish
Type	Powder free
Length	9"
Thickness	5 mil
Color	Clear
Size	S-XL Ambidextrous
Packaging	100 gloves/box 10 boxes/case



## TouchNTuff® 69-210

## NATURAL RUBBER LATEX / POWDERED



### Description

The TouchNTuff® 69-210 gloves are powdered with 100% USP cornstarch, which aids in easy donning and doffing in food handling applications. They also provide chemical splash protection, which makes them a good choice for sanitation and janitorial work.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

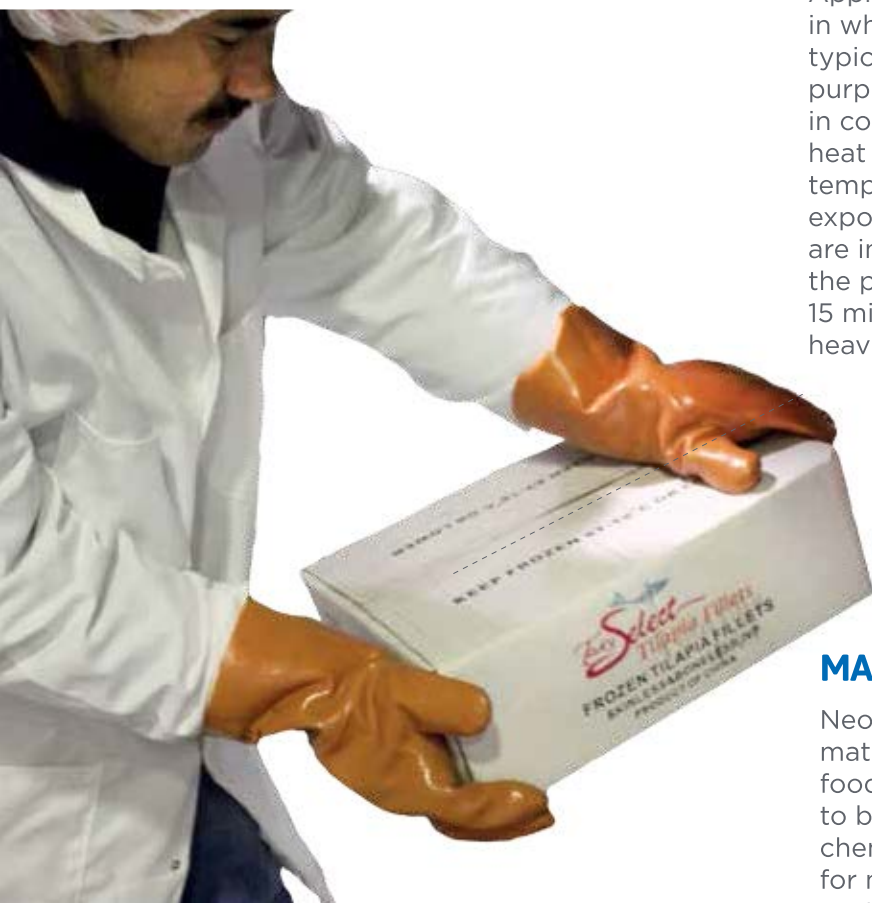
Cuff style	Rolled beaded
Grip design	Smooth finish
Type	Powdered
Length	9"
Thickness	5 mil
Color	Natural
Size	S-XL Ambidextrous
Packaging	100 gloves/box 10 boxes/case



# THERMAL

---

Choosing the right gloves for thermal protection in your food processing operation requires adequate knowledge about the heat and cold levels of your applications. There are a few variables to consider, including the ambient temperature of the environment in which the gloves will be worn, the tasks workers will be performing, the length of contact with extreme cold or heat, and if the materials being handled are wet, chemicals, food, etc.



## FUNCTION

Some thermal gloves are designed to be used along with other gloves. For example, in most meat processing applications, a cold protective thermal liner is worn under a cut protective glove, and a liquid protective glove covers the cut protective glove. For cold storage or freezer applications, a cold protective liner may need to be worn under a general purpose or liquid protective glove.

## ENVIRONMENT

All thermal protection gloves are not created equal. For example, working outdoors in the cold may require a different glove than working in a freezer environment. There are typically two different temperature ranges for cold environments that food processing applications fall into:

- 8°C to 0°C
- -10°C to -21°C

The same holds true for heat protection gloves. Applications within a Food Processing operation in which heat protective gloves are required typically include hot steam or water for sanitation purposes, and handling hot machinery or materials in cooking applications. When selecting gloves for heat protection, keep in mind what the average temperature of the materials being handled or exposed to is, and the average length of time hands are in contact with that heat. Most often the greater the protection required (extreme heat and more than 15 minutes of continual contact), the thicker and heavier the gloves will be.

## MATERIAL

Neoprene is one of the most prevalent materials used in heat protection gloves for food processing operations. Its resistance to burning and ability to handle oils and chemicals makes the material a good choice for most heat protection applications. Cold protection gloves typically feature a cotton knit or a cotton/poly blend in thermal liners, while applications that require both cold protection and liquid protection include PVC or Natural Rubber Latex for liquid and chemical protection, with a cotton/poly blend liner for protection against cold.





# HEAT PROTECTION<sup>1</sup>

Scorpio® 19-024 / 19-026

NEOPRENE



**Description**

The Scorpio 19-024 (18") and 19-026 (26") gloves combine protection from intermittent contact with hot surfaces up to 180° C (356° F) with the chemical resistance of neoprene in a flexible, comfortable glove. The liner is removable and integrated with a hanging loop for quick drying and storage. Unaffected by detergents and cleaning solutions designed to protect workers in applications where thermal, lightweight cut resistance and chemical risks are present. These gloves provide protection and functionality for a variety of tasks through the food processing operation.

**Performance Ratings**



Liner	Neoprene
Liner Material	Fleece / Jersey
Cuff style	Gauntlet
Grip design	Rough Finish
Length	19-024: 18" 19-026: 26"
Color	Black
Duty Level	Heavy
Size	8, 10
Packaging	12 pairs / case

Crusader® Flex 42-474

COTTON/POLYESTER/NITRILE



**Description**

When duty calls for superior heat resistance for the hand and wrist, without the need for liquid or chemical protection, reach for the Crusader® Flex 42-900. The non-woven felt insulation and full-length heat barrier is designed for protection on the palm and back side of the hand from intermittent handling of objects up to 180 °C (356 °F). The two-piece construction eliminates exterior seams for better finger comfort, dexterity and flexibility, while the bonded nitrile coating protects against snags, punctures, abrasions and cuts. Contains no asbestos and provides excellent grip when handling dry or oily surfaces.

**Performance Ratings**



Liner Material	Non-woven felt
Cuff style	Slip-on (14")
Duty Level	Heavy
Size	9, 10
Duty Level	Heavy
Packaging	12 pairs / case

# INSULATING PROTECTION<sup>1</sup>

## MultiKnit<sup>®</sup> 76-400 / 76-606 / 76-607 / 76-610

## HEAT & COLD / KNITTED



### Description

The VersaTouch<sup>®</sup> 76-400 cotton knit gloves provide moderate cut and abrasion resistance along with protection from intermittent contact with moderately hot or cold surfaces.<sup>1</sup> Perfect for beef, pork, poultry, fish processing, fruit and vegetable processing and working in cold storage or unheated warehouses.

The VersaTouch<sup>®</sup> 76-606, 76-607 and 76-610 thermal gloves offer cold protection in three duty levels: light (76-607), medium (76-606) and heavy (76-610). Featuring an ambidextrous fit and cotton/poly blend, the gloves make an excellent thermal liner under cut gloves in cold environments.

### Performance Ratings

76-400	76-606, 76-607, 76-610
<div><div>ANSI 3</div><div>ABRASION</div></div> <div><div>ANSI 2</div><div>CUT</div></div>	<div><div>ANSI 2</div><div>ABRASION</div></div> <div><div>ANSI 1</div><div>CUT</div></div>
Material	Cotton / Polyblend
Cuff style	Knitwrist
Color	Off-white
Size	76-400, 76-606, 76-607; 7, 9 76-610: 6, 7, 9
Duty Level	76-400: Heavy; 76-606: Medium; 76-607: Light 76-610: Heavy
Packaging	12 pairs/band 40 bands/case

## Therm-A-Knit<sup>®</sup> 78-101 / 78-150

## HEAT & COLD / KNITTED



### Description

Both the Therm-A-Knit<sup>®</sup> 78-101 and the 78-150 are made with unique hollow-core fibers that act as a hand warmer by providing a barrier between the skin and cold, damp working environments. These gloves dry faster than cotton and effectively eliminate moisture from the skin ensuring the worker warmth and comfort. Both styles are lightweight and ambidextrous as well as machine washable for cost-effective wear.

Material	Synthetic blend
Cuff style	Knitwrist
Color	78-101: Blue 78-150: White
Duty level	Light
Size	One size
Packaging	12 pairs/bag 12 bags/case



# COLD AND LIQUID PROTECTION

## Winter Monkey Grip® 23-173 / 23-193

## HEAT & COLD / KNITTED



### Description

Maintain a secure grip when the temperature drops, thanks to the heavy duty cold protection and grip of the Winter Monkey Grip® 23-173 and 23-193 gloves. Both glove styles feature comfortable foam insulation with a tough PVC vinyl coating that keeps the hands warm and dry while providing protection from abrasions.<sup>1</sup> The curved fingers and a winged thumb deliver superior hand dexterity, and the special PVC coating stays soft even in cold environment.

The 23-173 gloves include a Knitwrist cuff for a secure fit around the wrist, as well as a textured finish for exceptional grip on slippery, cold materials. The 23-193 gloves include a gauntlet style cuff for easy donning and doffing and a smooth finish that grips dry materials with ease.

### Performance Ratings



Material	Vinyl-coated
Liner material	Jersey
Cuff style	23-173: Knitwrist 23-193: Gauntlet
Grip design	23-173: Textured 23-193: Smooth
Length	12"
Color	Orange
Duty level	Heavy
Size	10
Packaging	23-173: 12 pairs / case 6 bags / case 23-193: 12 pairs / case 3 bags / case

## VersaTouch® 23-200 / 23-201 / 23-202

## THERMAL & LIQUID RESISTANT



### Description

The VersaTouch® 23-202, 23-200 and 23-201 gloves combine a soft PVC coating with a seamless 13 gauge 100% cotton liner to provide comfortable, dexterous liquid protection even at low temperatures. The 23-202 incorporates Polar acrylic to provide thermal protection up to -30°C (-22°F). The ergonomic hand shape provides an excellent natural fit and reduces hand fatigue. The rough sandblast finish provides a sure grip when handling wet and slippery materials, improving worker productivity and safety. The heat sealed sleeve (23-200 and 23-201) provides liquid resistance and dust protection for the arm.

Material	PVC
Liner material	Seamless cotton
Color	Blue
Grip design	Roughened sandblast
Length	23-200 / 23-202: 12" 23-201: 24"
Gauge	13
Size	23-200 / 23-201: 7, 8, 9, 10 23-202: 8, 9, 10
Packaging	12 pairs / bag 6 pairs / bag

## VersaTouch® 62-401

## HEAT & COLD / LINED



### Description

A multitask glove for a wide range of applications in food processing, including fishing and oyster farming, handling of meat and fish, and handling of frozen as well as hot objects. Ideal for handling objects in a messy and/or humid environment, the VersaTouch® 62-401 gloves feature a double-dipped natural rubber coating with a wrinkle finish for secure grip and a 100% cotton jersey liner for comfort and insulation. Provide excellent thermal insulation either in hot (up to 250°C or 482°F) or cold (down to -20°C or -4°F) conditions.

### Performance Ratings



**Hot (up to 250° C or 482° F) or Cold (down to -20° C or -4° F)**

Material	Natural Rubber Latex
Liner Material	Sewn in cotton liner
Grip Design	Wrinkled
Cuff style	Straight
Length	13"
Color	Blue
Duty Level	Heavy
Size	7-11
Packaging	6 pairs / bag



Marigold® Astroflex®

LINED / NATURAL RUBBER LATEX



Description

This double-walled natural rubber glove features a seamless liner for added comfort and thermal protection with a high level of flexibility, dexterity and comfort. Ideal for use in the fishing industry, oyster farming, general janitorial and chemical cleaning. The wrinkled finish on the hand ensures a good grip in both wet and dry conditions.

*CAUTION: Natural rubber latex may cause allergic reactions in some individuals, including anaphylactic shock.*

Performance Ratings



ABRASION



Mechanical Protection



Chemical Protection



Micro-organisms



Heat Protection

**Hot (up to 250° C or 482° F) or Cold (down to -20° C or -4° F)**

Material	Natural Rubber Latex
Liner Material	Seamless polyamide liner
Grip Design	Wrinkled
Cuff style	Straight
Length	12"
Thickness	Double-wall
Color	Blue
Size	7, 8, 9, 10, 11
Packaging	12 pairs / package

HyCare™ 62-400

HEAT & COLD



Description

This fully-coated natural rubber latex glove offers great flexibility and durability in cold and wet environments with temperatures as low as -32°C (-26°F).<sup>1</sup> The soft-knit cotton liner helps keep hands and fingers warm and comfortable in cold situations, and the crinkle finish grip is ideal for wet applications, like handling seafood.

Performance Ratings



CUT



ABRASION

Material	Natural rubber latex-coated
Liner Material	Lined knit
Cuff style	Pinked
Grip Design	Crinkle finish
Length	12"
Color	Blue
Duty Level	Heavy
Size	8-11
Packaging	12 pairs / case 6 bags / case





## PROTECTIVE CLOTHING

---

Hands aren't the only parts of the body that need protection from contaminants in the food processing industry. Protective clothing for the rest of the body needs to be part of your overall safety program. Whether workers are receiving, processing or packing the food, Ansell offers a line of apparel solutions that includes aprons, sleeves, suits and bouffant covers for all light, medium and heavy duty applications associated with a food processing plant.

The products in this section have been separated by duty level. The duty levels required should be determined based on the type of food being processed and the application within the plant.




# SLEEVES

## Light Duty

59-002

CPP SLEEVES




**Description**

This CPP sleeve provides excellent protection against chemicals, punctures and abrasions.<sup>1</sup> Made of a durable vinyl, the 59-002 has elastic at both ends for a secure fit. Ideal for meat packaging, food packing and sanitation.

Material	Vinyl
Description	Elastic at both ends of sleeve
Thickness	4 mil
Color	Available in clear and blue
Size	18"
Packaging	12 pairs/bag 18 bags/case 216 sleeves/carton

59-200 / 59-201

CPP SLEEVES



**Description**

These polyethylene CPP sleeves offer lightweight protection against mild chemicals, liquids and fats while preventing snags and abrasions. An excellent choice for food handling and light sanitation, the 59-200 and 59-201 sleeves are the standards in the food processing industry.

Material	Polyethylene
Description	Embossed
Thickness	1 mil
Color	59-200: White 59-201: Blue
Size	16"
Packaging	50 sleeves/bag 40 bags/case

## Medium Duty

59-005 / 59-001

VINYL SLEEVES



**Description**

The 59-005 and 59-001 are economically priced vinyl sleeves that provide protection against chemicals such as acids, oils, caustics, liquids, fats and alcohols. These vinyl sleeves are an excellent choice for use in light-duty food handling applications to prevent snags to clothes and light scratches to skin. Soft elastic on both ends of the sleeve provides a secure yet comfortable fit over clothing.

Material	Vinyl
Thickness	59-005: 6 mil 59-001: 8 mil
Color	59-005: Blue 59-001: White, Blue or Clear
Size	18"
Packaging	12 pairs/bag 12 bags /case



59-050

## NEOPRENE SLEEVE



### Description

When looking for excellent protection from a broad range of oils, acids, caustics, solvents, fats, liquids and oils, look to the 59-050 sleeves. Made with high-quality neoprene, these sleeves provide excellent mobility and flexibility even in low temperature environments. An excellent choice for use in sanitation applications as well as more vigorous food and meat processing areas.

*CAUTION: The elastic band on these products may contain natural rubber latex which may cause allergic reactions in some individuals.*

Material	Neoprene
Thickness	10 oz.
Color	Yellow
Size	18"
Packaging	12 pairs/bag 8 bundles / case

67-221 / 67-230

## POLYPROPYLENE BOUFFANT / BEARD COVER



### Description

For workers who have facial hair, bouffant and beard covers are required to protect food from contamination. The 67-221 bouffant cover and the 67-230 beard cover are made from a lightweight, breathable polypropylene. The beard cover has soft, comfortable elastic bands to attach behind the ear. The beard cover is also available in two sizes to fit a full variety of workers comfortably.

Material	Polypropylene
Description	Spun polypropylene with soft elastic headband
Thickness	Lightweight
Color	67-221 White/Blue 67-230 White
Size	18" or 21"
Packaging	100 covers/dispenser 500 / case

# APRONS

## Light Duty

56-210/56-230

### POLYETHYLENE APRONS



#### Description

Conveniently packaged for your food processing operation, the 56-210 and 56-230 disposable polyethylene aprons are a high-quality, yet economical way to protect food from contamination and protect workers from contact with liquids, oils and chemicals. Each style is available in two sizes.

Material	Polyethylene
Texture	Embossed
Thickness	1.25 mil
Color	56-210: White 56-230: Blue
Size	27" x 46", 27" x 55"
Packaging	100 / dispenser 10 dispensers / case

54-290

### DISPOSABLE POLYETHYLENE APRON



#### Description

Protect both workers and your food products from contamination and workers from liquids, fats and oils with this disposable polyethylene apron. The 54-290 aprons provide economical protection and feature an embossed surface for easy cleaning.

Material	Embossed Polyethylene
Thickness	1.75 mil
Color	White
Size	28" x 45"
Packaging	100 / dispenser

56-600/56-601

### CPP SUPPORTED APRONS



#### Description

Made from urethane and featuring a durable nylon backing, the 56-600 (yellow) and 56-601 (blue) CPP supported aprons offer lightweight comfort and protection for a long wear life. The urethane material provides excellent protection from abrasion, tears, solvents and oils, and is resistant to being stretched out of shape through normal wear. The aprons are ideal for working in cold conditions like meat packing and cold storage.<sup>1</sup>

Material	Urethane
Description	Lightweight with durable nylon backing
Color	56-600: Yellow 56-601: Blue
Size	35" x 48", 35" x 55"
Packaging	12 aprons / bag 4 bags / case





56-400

## LIGHTWEIGHT NEOPRENE CPP SUPPORTED APRON

*Description*

These lightweight neoprene CPP supported aprons are ideal for use in food processing operations where chemicals are present. The 56-400 aprons are durable and offer long wear in cold environments.

Material	Neoprene
Description	Lightweight
Thickness	12.05 oz.
Color	Yellow
Size	35" or 45"
Packaging	12 aprons / bag 4 bags / case

*Medium Duty*

56-009

## VINYL APRONS

*Description*

The 56-009 is made from the highest quality vinyl for superior resistance to chemicals, fats, oils, greases, punctures and abrasions. Available in various lengths to support a variety of applications. The premium sewn edges provide extra durability and ease of movement to support worker productivity and comfort.

Material	Vinyl
Description	Rough
Thickness	6 mil
Edge	Rough edge
Color	Blue
Size	33" x 44"; 33" x 47" 33" x 49" 33" x 54"
Packaging	12 aprons per bag 6 bags per case

56-015 / 56-016

## VINYL APRONS

*Description*

The 56-015 and 56-016 are made from the highest quality vinyl for superior resistance to chemicals, fats, oils, greases, punctures and abrasions. Available in various lengths to support a variety of applications. The premium sewn edges provide extra durability and ease of movement to support worker productivity and comfort.

Material	Vinyl
Description	Rough
Thickness	6 mil
Edge	Die cut edge
Color	56-015: Blue 56-016: White
Size	56-015: 33" x 39", 33" x 44", 33" x 47" 56-016: 33" x 44", 33" x 47"
Packaging	12 aprons/bag 6 bags / case



# APRONS

## Medium Duty

### EnduroSaf® 56-801 / 56-802

### ENDURO 2000 APRONS



#### Description

Both of these apron styles are made from Enduro 2000 materials that outperform traditional materials such as neoprene, nitrile, vinyl and other films. Lightweight yet strong, durable and environmentally friendly the Endurosaf® 56-801 and 56-802 aprons provide exceptional resistance to abrasions, chemicals and deterioration from oils and fats. These aprons are also softer, easier to clean, more comfortable than other apron options and remain flexible even in cold temperatures. They are an excellent choice for use in areas of your food processing operation that require cold environments. All components are compliant to FDA food handling requirements.

Material	Enduro 2000
Description	Smooth
Thickness	8 mil
Color	56-801: Yellow 56-802: Blue
Size	35" x 45", 35" x 50"
Packaging	24 aprons / box

### HyCar 56-510

### NITRILE BLEND HYCAR APRON



#### Description


The HyCar 56-510 aprons are made with HyCar, a durable tough nitrile blend that is ideal for standing up to grease and animal fats. These aprons are also supported for extra long wear and for flexibility, thermal protection and comfort when working in cold conditions.<sup>1</sup>

Material	HyCar
Description	Rough
Thickness	18 oz.
Edge	Rough edge
Color	Yellow
Size	35" x 45"
Packaging	24 aprons/box



# PROTECTIVE SUITS

Coveralls



GENERAL PURPOSE

Description

- General purpose coveralls constructed of microporous breathable material
- Provides basic protection against dirt, paint and other materials
- Cool and comfortable to wear
- Generous, full cut improves fit
- Elastic wrists and ankles with zipper closure


Sizes:

Medium to 5XL

Applications

General industrial/ maintenance

TrellChem® NEO 66-803



DISPOSABLE COVERALLS

Description

The NEO protective suit is the lightest and most affordable Level A protective ensemble ever certified to NFPA 1991-2005. Weighing only 9 lb., the TrellChem NEO is designed to wear a \*SCBA under the suit, and the visor is made from a ridged 2mm impact- and chemical-resistant PVC. The visor is curved for excellent side vision. The suit's zipper is strong and durable, as well as gas tight, and closes downward for additional safety. The standard glove assembly is attached to the NEO suit through TrellChem's Bayonet Glove Ring System. This proprietary attachment method allows for quick and simple glove exchanges – no more tools or tape to change – just the glove!

Material

Proprietary laminated

Certifications

NFPA 1991-2005 EN943-2/ET

Weight

9 lbs.

Color

Blue

Size

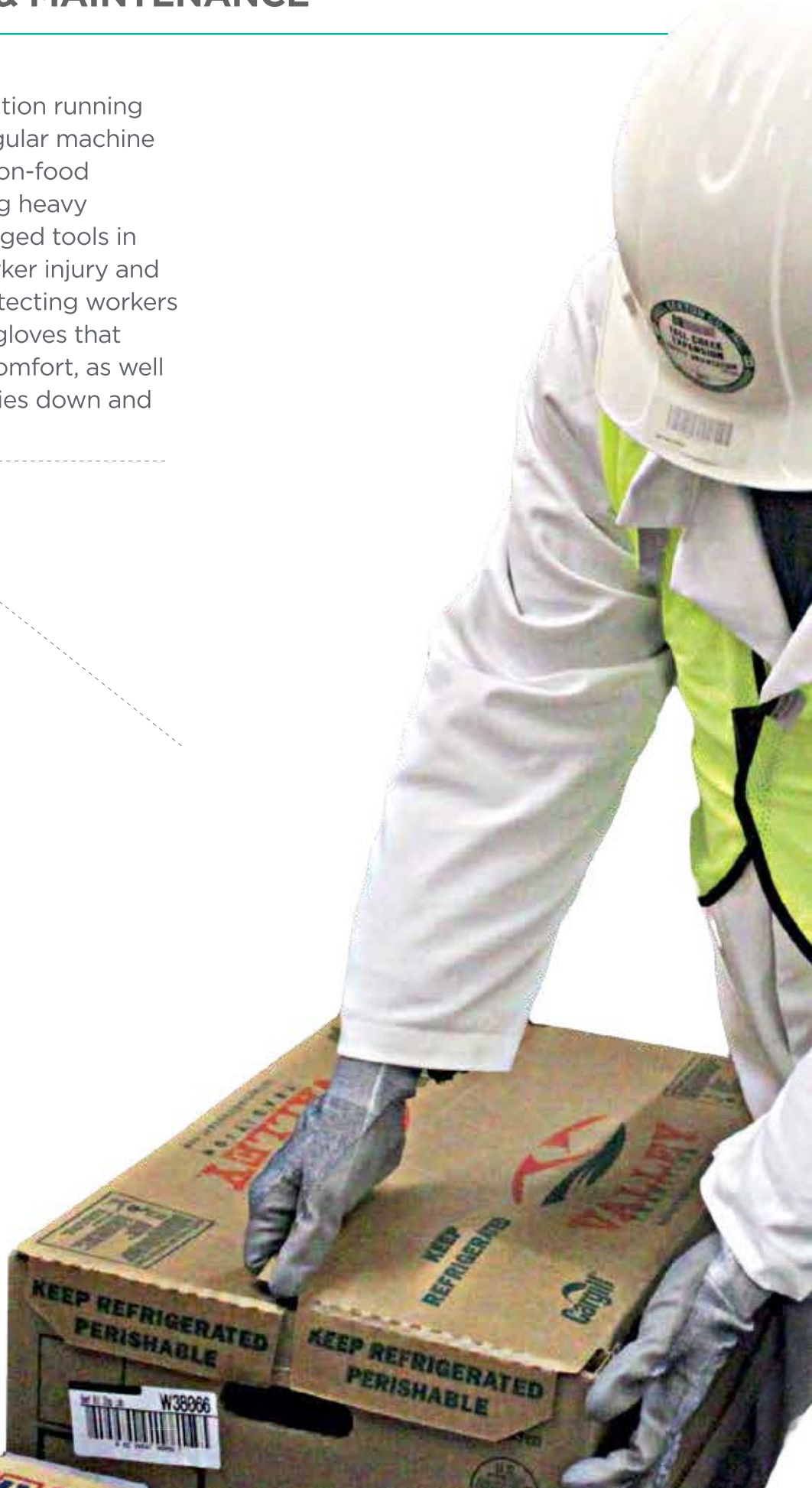
S, M, L, XL, XXL

## GENERAL PURPOSE & MAINTENANCE

---

Keeping a food processing operation running at peak performance requires regular machine maintenance and other related non-food handling applications. Maintaining heavy machinery and keeping sharp-edged tools in working condition can cause worker injury and lead to extended down time. Protecting workers with cut- and abrasion-resistant gloves that offer superior fit, dexterity and comfort, as well as a sure grip, helps to keep injuries down and increases productivity.

---







For other general purpose applications, such as shipping and receiving, forklift operations, etc., lighter duty, highly dexterous gloves are appropriate. For special threats such as ARC flash and applications that require handling oily materials, Ansell delivers superior solutions you can count on every time. Most general purpose and maintenance gloves come in a large range of size options for maximum fit and tactile performance.




# GENERAL PURPOSE & MAINTENANCE

HyFlex® 11-425

CUT PROTECTION /DIPPED



**Description**  
White/gray seamless knitted liner made with high performance fibers using Techor Knitting Technology™ delivers ANSI Level 3 cut protection. The gray palm is coated with a water-based synthetic coating and water/oil repellent treatment to provide sound grip performance in wet and oily conditions. The HyFlex 11-425 glove also incorporates the Red Indicator dot for high risk environments. Silicone and DMF free.

<b>Performance Ratings</b>	
	
	Mechanical Protection
<b>Technology</b>	Techcor Knitting Technology™
<b>Cuff Style</b>	Elasticised knitwrist
<b>Liner Material</b>	Techcor Knitting Technology™
<b>Coating</b>	Palm
<b>Gauge</b>	13
<b>Ansi Puncture</b>	5
<b>Color</b>	Heather gray with gray coating
<b>Size</b>	7, 9, 10, 11
<b>Packaging</b>	12 pairs/package 144 pairs/case

HyFlex® 11-423 / 11-427



CUT PROTECTION /DIPPED



HyFlex 11-423

HyFlex 11-427

**Description**  
Both the HyFlex 11-423 and the HyFlex 11-427 offer soft, comfortable and ANSI level 2 cut protection and excellent abrasion resistance. The high visibility yellow seamless liner is made with high performance fibers using Techor Knitting Technology™ and the gray coating is made from a water-based synthetic material. Both the liner and coating are treated for water and oil repellency to help keep gloves clean and enhance liquid protection. The Amber Indicator dot recommends use of these gloves in medium risk environments. Silicone and DMF free.

<b>Performance Ratings</b>	
	
<b>Heat resistance up to 100°C (212° F)</b>	
<b>Technology</b>	Techcor Knitting Technology™
<b>Cuff Style</b>	Elasticised knitwrist
<b>Liner Material</b>	Techcor Knitting Technology™
<b>Coating</b>	11-423: Palm 11-427: 3/4 dipped
<b>Gauge</b>	13
<b>Ansi Puncture</b>	5
<b>Color</b>	High visibility yellow liner with gray coating
<b>Size</b>	11-423: 6-11 11-427 Tropique: 7-10
<b>Packaging</b>	12 pairs/package 144 pairs/case



# ELECTRICAL SAFETY

These gloves are frequently worn by on-site electricians and maintenance workers who maintain machinery in the plant.

## Low Voltage Industrial Rubber Electrical Insulating Gloves Class 0, 00



### Description

Low voltage, 100% Natural Rubber insulating glove, manufactured using proprietary natural rubber process in our ISO 9001-02 and OSP 14001 world-class facility. Compliant with ASTM D120-09, OSHA 1910.137, OSHA 1910.268 and NFPA 70E. Gloves feature a rolled cuff for easy donning and tear resistance, and are anatomically shaped and chlorinated for maximum comfort.

*Image for illustration purposes only. To meet OSHA regulations, a leather glove must be worn over this product.*

*For use in maintenance applications when working with energized equipment. Always check the voltage level of the equipment being worked on prior to glove selection to ensure proper protection.*

*All gloves have rolled cuffs.  
1 pair per case. 10 cases per master pack.*

### RUBBER ELECTRICAL INSULATING GLOVES - ORDERING INFORMATION BY ANSELL PART NUMBER

DESCRIPTION	SIZE									COLOR
	7	8	8.5	9	9.5	10	10.5	11	12	
CLASS 00 B 11	113775	113776	123720	113777	123721	113778	123722	113779	113780	
CLASS 00 B 14	113787	113788	123726	113789	123727	113790	123728	113791	113792	
CLASS 00 R 11	114258	114259	123746	114260	123747	114261	123748	114262	114263	
CLASS 00 Y 11	113747	113748	123723	113749	123724	113750	123725	113751	113752	
CLASS 00 Y 14	113759	113760	123729	113761	123730	113762	123731	113763	113764	
CLASS 0 B 11	113781	113782	123732	113783	123733	113784	123734	113785	113786	
CLASS 0 B 14	113793	113794	123738	113795	123739	113796	123740	113797	113798	
CLASS 0 R 11	114264	114265	123750	114266	123751	114267	123749	114268	114269	
CLASS 0 R 14	121731	121732	123752	121733	123411	121734	123412	121735	121736	
CLASS 0 Y 11	113741	113742	123735	113743	123736	113744	123737	113745	113746	
CLASS 0 Y 14	113753	113754	123741	113755	123409	113756	123410	113757	113758	
CLASS 1 Y 14		114238		114239		114240		114241	114242	
CLASS 1 Y 16		114248		114249		114250		114251	114252	
CLASS 1 B 14		114243		114244		114245		114246	114247	
CLASS 1 B 16		114253		114254		114255		114256	114257	
CLASS 2 B 14		113799	124079	113800	123742	113801	123743	113802	113803	
CLASS 2 B 16		113804	124080	113805	123744	113806	123745	113807	113808	
CLASS 2 R 14		114270		114271		114272		114273	114274	
CLASS 2 Y 14		113765		113766		113767		113768	113769	
CLASS 2 Y 16		113770		113771		113772		113773	113774	
CLASS 3 B 16		113812		113813		113811		113814	113815	
CLASS 4 B 18				113816		113817		113818	113819	



### Our unique vend-ready packaging!

Over 50 branded styles available including HyFlex, AlphaTec and TouchNTuff

Shrink-wrapped folded gloves ensure a tight package for consistent vending

Patent-pending folding technique assures consistent dispensing of product

Successfully placed in over 50,000 vending machines worldwide

Compatible with most leading vending machines, including Helix and Carousel

No more guessing what style and size you're selecting from the machine



## SAFETY AND CONVENIENCE THAT GO HAND IN HAND





## Global support

- All global distributor locations and factories can source the same products
- Sales support throughout North America, Latin America, Europe and Asia
- Providing just-in-time delivery with inventory in global strategic locations throughout North America, Europe and Asia
- Fully integrated into our US patented Ansell Guardian® methodology, includes sales data, rationalization analysis and product placement optimization
- Guides for glove training, selection and chemical compatibility

## A vending concept that benefits your business

- Saves on labor costs by eliminating repackaging
- Consistent length, width and thickness measurements reduce the refill time
- Proven dispensing of product reduces the downtime of vending machines
- Sell sheets with detailed specifications



# Ansell Protects™

For more information, contact your Ansell Representative or visit [ansell.com](http://ansell.com)  
111 Wood Ave. South | Suite 210 | Iselin, New Jersey 08830, USA | (800) 800-0444

---

\* and TM are registered trademarks owned by Ansell Limited or one of its affiliates.

© 2015 Ansell Limited. All rights reserved.

Marigold® is a trademark owned by Freudenberg Home and Cleaning Solutions. Trellechem® is a trademark owned by Trelleborg AB. DuPont™ KEVLAR® and DuPont™ NOMEX® are trademarks and registered trademarks of E. I. du Pont de Nemours and Company used under license by Ansell Protective Products Inc. Dyneema® is a registered trademark owned by DSM High Performance Fibers B.V.

Products that provide "cut resistance" and "cut protection" or "puncture resistance" and "puncture protection" do not completely prevent or eliminate the potential for cuts or punctures, and are not intended or tested to provide protection against powered blades, serrated or other sharp or rotating equipment. Products that provide "abrasion resistance" or "abrasion protection" do not completely prevent or eliminate the potential for abrasion-related injuries. Products that provide "chemical resistance" or "chemical protection" do not completely prevent or eliminate the potential for injury due to chemical exposure. Products that provide "resistance" to oil or grease or which are "oil repellant" do not completely prevent or eliminate the potential for oil or liquid penetration or absorption. Products that provide "snag resistance" or "snag protection" do not completely prevent or eliminate the potential for snags or friction-related injuries. Products that provide protection against sparks or flame are not "fire-proof" and do not completely prevent or eliminate the potential for burns or associated injuries. Products that provide protection or resistance against heat or cold are not intended for use in extreme temperatures - use only as specified.

Users are encouraged to always use caution and care when handling sharp or abrasive materials, chemicals, or other hazardous or dangerous substances. Any information or data provided is based upon Ansell's current knowledge and understanding of the subject matter, and is offered solely as a possible suggestion for use in making your own decisions or product choices.

Product users should conduct all appropriate testing or other evaluations to determine the suitability of Ansell products for a particular purpose or use within a particular environment. It is the responsibility of a product user to assess the level of risk and to determine the protective equipment required or appropriate for the user's particular purpose.