

Gloves



Protect the most vital tools



PVC
Latex
Nitrile

Glove Selection Guide

Cleanroom Gloves

Industrial and medical boxed gloves serve one purpose: to protect the operators. Cleanroom bagged gloves are designed to protect both the operators and the products. The primary purpose of wearing gloves in a controlled environment is to minimize sub-micron particle contamination of the product or process from the operator's hands. Therefore, choosing the most appropriate glove is one of the most important cleanroom consumable selections.

Gloves serve a critical function inside a cleanroom because they make direct contact with both the product and the process.

Glove Substrates

■ **Natural Rubber Latex (Latex)**
Historically the most common material for gloves due to its durability, comfort, and dexterity. Latex is ideal when high dexterity and tactile sensitivity is necessary. It provides excellent protection against contamination and chemicals such as acids, alcohols and ketones. In some people, latex proteins may cause an allergic reaction for which nitrile gloves provide a good alternative.

■ **Polyvinylchloride (PVC)**
Known for its inherent cleanliness (low in both particles and ionic extractable), ESD properties, and low cost. These attributes make vinyl gloves ideal for use in medical device manufacturing, microelectronics, and other similar dry controlled environments. A PVC glove fit looser on an operator's hand than latex or nitrile, which can reduce dexterity.

■ **Acrylonitrile Butadiene Rubber (Nitrile)**
This material offers good dexterity and superior resistance to many types of chemicals. Compared to latex, nitrile is lower in particles, ionic extractable and non-volatile residues (NVR). Nitrile also has "memory" properties that adapt it to the hand for a more custom fit that reduces fatigue. It is three times more puncture resistant than latex, and it also provides protection against cutting and scraping. Static-dissipative properties make nitrile ideal for all static sensitive environments.

Glove Substrate Selection Chart

	Vinyl	Latex	Nitrile
Static Dissipative	+++	-	+++
Protein Allergies	None	-	None
Chemical Resistance	-	++	+++
Strength/Durability	+	+++	++
Modulus	-	++	+++
Tactile Sensitivity	-	++	+++

- Poor + Good ++ Better +++ Best

Glove Selection Guide

Five Glove Selection Criteria:

■ Particle Count

Numbers of particulate matter (contaminants) that comes off the gloves, typically measured in a dry test. Nitrile has the lowest amount of particles, followed by PVC, and latex has the highest particle count.

■ Extractable Count

The amount of elements extracted from the gloves in an immersion test, generally measured in Parts Per Billion (PPB) or Grams per Square Meter (g/m^2). 18 mega ohm DI H_2O washed nitrile has the lowest ionic counts, followed by PVC and latex.

■ Electrostatic Discharge (ESD) Properties

The capacity of a glove to dissipate, or conduct a static charge to a ground. Both PVC and nitrile exhibit excellent ESD qualities. Latex is insulative.

■ Dexterity

Latex gloves fit tight on the hand, but have no “memory” to conform to a specific hand shape. Nitrile’s memory (modulus) properties provide more comfort, but are lower in elasticity than latex. PVC has much lower dexterity and is recommended when tactile requirements are low.

■ Chemical Compatibility

Latex is a good choice for protection against acids. Nitrile has better resistance than latex to a broad range of chemicals and performs well with solvents and acids. PVC has poor acid and solvent based resistance and is best suited for a dry environment. Note: Thin-walled gloves are only intended for splash protection.



Glove Sizing Chart

How to select the right glove size

To find your glove size, measure (in inches) around your palm indicated by picture A. Valutek indicates glove sizes by letter (XS, SM, MD, LG, XL, XXL), use the table below to find the equivalent translation.

Choose the letter size from the chart that is the closest to the number you measured. For example: if as a woman, your hand measures $7\frac{3}{4}$ " , then choose a size "L".



Picture A

Men's Glove Sizing Guide

Size	Inch	Centimeter
XS	7"	18 cm
SM	7½"-8"	19-20 cm
MD	8½"-9"	22-23 cm
LG	9½"-10"	24-25 cm
XL	10½"-11"	26.5-28 cm
2X	11½"-12"	29-30.5 cm

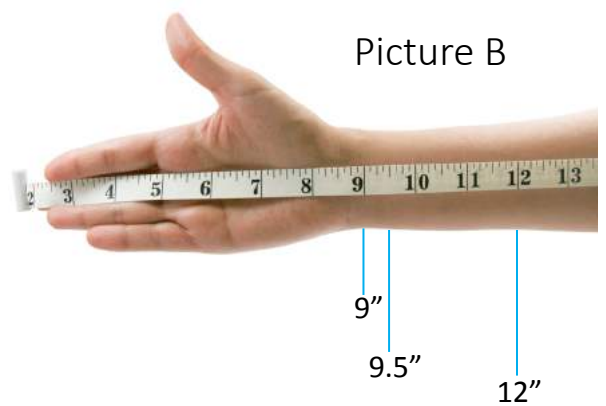
Women's Glove Sizing Guide

Size	Inch	Centimeter
XS	5½"-6"	14-15 cm
SM	6"-6½"	15-17 cm
MD	7"-7½"	17.5-19 cm
LG	7½"-8"	19-20 cm
XL	8½"-9"	21.5-23 cm
2X	-	-

Choose the cuff length that you need

To determine the correct glove length you need, measure from the tip of the middle finger to where the cuff edge should be on forearm as shown in Picture B, then select the proper cuff and length.

Valutek offers three cuff lengths: 9", 9.5" and 12". The longer the length, the more added protection to your products.



Picture B

Glove Chemical Compatibility Chart

Chemical	Nitrile	Latex	Vinyl
Acetaldehyde	●●●	●●●	●
Acetone	●	●●●	●●
Acetic Acid	●●●	●●●	●●●
Acetylene Gas	●●●●		
Aluminium Sulfate	●●●●		
Ammonium Hydroxide, Dilute	●●●●	●●●	●●●●
Ammonium Nitrate	●●●●		
Ammonium Sulfate	●●●●	●●●●	●●●●
Amyl Alcohol	●●●●		●●●●
Aniline	●●●	●	●●
Aniline Oil	●●●		
Animal Fats	●●●●		
Animal Oils	●●●●		
Antifreeze		●●●●	●●●●
Barium Sulfite	●●●●		
Beet Sugar Liquors	●●●●		
Benzyl Alcohol	●●●		
Borax	●●●●		
Boric Acid	●●●	●●●●	●●●●
Brake Fluid		●●●	●●●
Butyl Alcohol	●●●	●●●	●●●●
Butyle Cellusolve			●●●
Calcium Bisulfite	●●●●		
Calcium Chloride	●●●	●●●●	●●●●
Calcium Disulfide			●●●
Calcium Hydroxide	●●●	●●●●	●●●●
Calcium Hypochlorite	●●●		
Carbolic Acid	●●●●		
Carbon Dioxide	●●●●	●●●	●●●●
Castor Oil	●●●●	●●●●	●●●●
Caustic Potash	●●●●		
Caustic Soda	●●●●		
Chlorine Solution	●●●●		
Chromic Acid 30%	●●●		●●
Citric Acid	●●●●	●●●●	●●●●
Copper Chloride	●●●●		

Chemical	Nitrile	Latex	Vinyl
Copper Sulfate	●●●●		
Cotton Seed Oil	●●		
Cresol	●	●	●
Cupric Nitrate	●●●●		
Cyclohexane		●	●●●●
Cyclohexanol	●●●	●●	●●●
Dibutylphthalate		●●	
Diethylene		●●	
Di-n-amylamine			●●●●
Di-n-butylamine			●●●●
Di-n-butyl Phthalate			●●●●
Di-n-octyle Phthalate			
Diallylamine			●●●
Diesel Fuel		●	●●●
Diethanolamine			●●●●
Diethylamine		●●	●●
Dimethylsulphoxide		●	●
Diisobutyl Ketone		●	●
Diisobutylamine			●●●●
Dimethyl Ether			●●●
Dimethyl Sulfoxide			●●●
Epoxy Resins, Dry	●●●●	●	●
Ethane Gas	●●●●		
Ethanol	●●●	●●●●	●●●●
Ethyl Acetate		●●	●
Ethyl Alcohol	●●●●		
Ethyl Ether		●	●●●
Ethylene Glycol	●●●●	●●●●	●●●●
Fatty Acids	●●●●		
Ferric Chloride	●●●●	●●●●	●●●●
Ferrous Sulfate	●●●●		
Formaldehyde	●●●		●●●●
Formic Acid	●●●●	●●●	●●●
Freon 113 Or Tf	●●●●	●	●●●●
Gasoline, 40-50%		●	●●●●
Glucose	●●●●	●●●●	●●●●

Chemical	Nitrile	Latex	Vinyl
Glutaraldehyde, <5%			●●●
Glycerine	●●●●	●●●●	●●●●
Glycerol	●●●●	●●●●	●●●●
Glycol	●●●●		
Grain Alcohol	●●●		
Heptanes		●	●●●●
Hexamthylsiloxane			●●●
Hexane		●	●●●●
Hydrazine			●●●●
Hydrochloric Acid, Dilute	●●●●	●●	●●●
Hydrofluoric Acid, Dilute			●●●●
Hypochlorites	●●●		
Hydrogen Gas	●●●●		
Hydrogen Peroxide	●●●	●●●	●●●
Hydrogen Sulfide	●●●●		
Inorganic Salts	●●●		
Iron Chloride	●●●		
Iron Sulfates	●●●		
Isobutyl Alcohol		●●●●	●●●●
Isooctane		●	●●●●
Isopropanol	●●●	●●●●	●●●●
Jet Fuel, <30% Aromatics			●●●
2- Propanol	●●●		
Kerosene		●	●●●●
Lactic Acid	●●●	●●●●	●●●●
Lauroic Acid	●●	●●	●●●
Lineoleic Acid	●●●●	●	●●●
Magnesium Chloride	●●●		
Magnesium Sulfate	●●●●		
Malathion, 30-70%			●●●●
Maleic Acid	●●●	●●	●●●
Methanol	●●●	●●●●	●●
Methyl Ethyl Ketone	●	●●	●
Methyl Isobutyl Ketone	●	●	●
Mercuric Chloride		●●●●	●●●●
Mercury		●●●●	●●●●

Excellent..... ●●●●
 Good ●●●
 Fair ●●
 Poor ●
 Not Recommended..... ●

Glove Chemical Compatibility Chart

Chemical	Nitrile	Latex	Vinyl
Moisture	●●●●		
Monoethanolamine	●	●●●	●●●
Muriatic Acid	●●●●	●●●●	
N-Butyl Alcohol		●●●	●●●●
N- Methyl-2- Pyrrolidone		●●●●	
N-Propyl Alcohol			●●●●
Naptha, 15-20% Aromatics		●	●●●●
Naphthalene	●	●	●
Nitric Acid <30%		●	●●●●
Nitrobenzene		●●	
Octane			●●●●
Octyl Alcohol		●●●	●●●●
Oleic Acid		●●	●●●●
Oxalic Acid	●●●	●●●	●●●●
Palmitic Acid	●●●	●●●	●●●●
Pentachlorophenol		●	●●●
Pentane		●	●●●●
Perchloric Acid, 30-70%		●	●●●●
Phenol	●●●●	●●●	●●●●
Phosphoric Acid	●●●	●●	●●●●
Pickling Solution	●●●		
Picric Acid			●●●●
Pine Oil	●●●●		
Potash Salts	●●●●		
Potassium Bromide	●●●●		
Potassium Carbonate	●●●		

Chemical	Nitrile	Latex	Vinyl
Potassium Chloride	●●●●	●●●●	●●●●
Potassium Cyanide	●●●●	●●●●	●●●●
Potassium Dichromate	●●●●	●●●	●●●●
Potassium Ferrocyanide	●●●●		
Potassium Hydroxide	●●●●	●●●	●●●●
Potassium Hypochlorite	●●●●		
Potassium Iodide		●●●	●●●●
Potassium Nitrite	●●●●		
Potassium Phosphate	●●●		
Potassium Silicate	●●●		
Potassium Sulfate	●●●●	●●●	●●●●
Potassium Sulfide	●●●●		
Potassium Thiosulfate	●●●		
Propan-2-Ol		●●●●	
Propyl Alcohol	●●●	●●●	●●●●
Propylene Glycol		●●●●	●●●●
Rust Inhibitors		●●●●	●●●●
Rock Salt	●●●●		
Salt Spray	●●●●		
Sodium Acetate		●●●●	●●●
Sodium Azide		●●●●	●●●●
Sodium Bicarbonate		●●●●	●●●●
Sodium Carbonate	●●●●		●●●●
Sodium Chloride	●●●●	●●●●	●●●●
Sodium Cyanide	●●●●	●●●●	●●●●
Sodium Hydroxide	●●●●	●●●●	●●●●

Chemical	Nitrile	Latex	Vinyl
Sodium Hypochorite	●●●	●●	●●●●
Sodium Nitrate	●●●●		
Sodium Phosphate	●●●		
Sodium Silicate	●●●●		
Sodium Sulfate	●●●●		
Sodium Sulphite	●●●●		
Sodium Thiosulfate	●●●●		●●●●
Stearic Acid	●●●		
Sulfur Dioxide	●●●●		
Sulfuric Acid (Dilute)	●●●	●	●●
Sulfurous Acid (75-100%)	●		●
Tannic Acid	●●●●	●●●●	●●●
1, 2, 4, 5- Tetrachl orobenzen			●●●●
Tetrahydrofuran	●	●	●●
Triethanolamine	●●●	●●●●	●●●●
Turpentine	●●	●	●●●●
Vegetable Oils	●●●		
Water (Soapy)	●●●●	●●●●	●●●●
Water (Distilled)	●●●●	●●●●	●●●●
Water (Fresh)	●●●●	●●●●	●●●●
Water (Salt)	●●●●	●●●●	●●●●
Wood Alcohol	●●●		
Xylene	●	●	●●
Zinc Salts	●●●		

*Testing Methods are based on BS-CEN369 and BS-CEN 374 Part (which are very identical to ASTM-F-739)

Resistance		Permeation 1ug/cm ² /second
Excellent	●●●●	>300
Good	●●●	181 – 300
Fair	●●	61 – 180
Poor	●	20 – 60
Not Recommended	●	<20

*Remark:

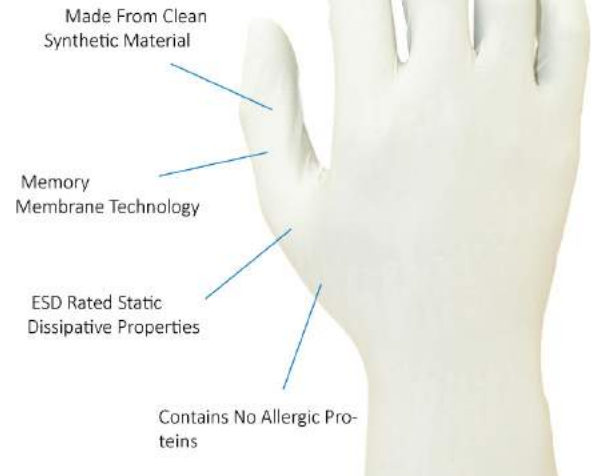
Gloves do not provide unlimited protection against all chemicals, and the user must determine before use that the glove will resist permeation and degradation by the chemicals (including chemical mixtures) in the environment of intended use. Variability in material thickness, chemical concentration, length of exposure to chemicals and temperature will affect specific performance.

Nitrile and Latex Comparison

Latex Glove



Nitrile Glove



Nitrile has only been on the scene as a clean and reliable choice for cleanroom operators for the past decade. While Latex is made from organic tree sap and contains allergy-causing proteins recognized by the FDA, Nitrile is manufactured from a 100% inorganic synthetic material. Nitrile gloves provide superior barrier protection, minimize the risk of allergic reactions and possess excellent electrostatic discharge (ESD) properties. Nitrile is presently the best choice for operator comfort due to its remarkable memory-membrane. This feature allows a nitrile glove to adapt to each individual's hand, improving motion and minimizing fatigue.

Nitrile and Latex Characteristics Comparison

	Particle Count	Extractable Count	ESD Properties	Dexterity	Chemical Compatibility
Nitrile	++	++	+	++	++
Latex	-	-	-	+	+

- Poor

+ Good

++ Excellent

Glove Packaging

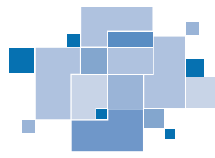
Valutek's gloves are packed in double poly bags, vacuum sealed, flat packed in carton boxes and with a carton liner.

All gloves are controlled environment compatible, lot traceable with retention samples held in Quality Control for 36 months from date of manufacturing.

Vacuum seal benefit: better storage, no particulate release, no ESD issue.



MacroTek™
ISO 7+ (Class 10.000+)



MicroTek™
ISO 5-6 (Class 100- 1.000)



NanoTek™
ISO 3-4 (Class 1- 10)



Cleanroom Glove Packaging



Controlled environment gloves are flat packaged in a critical environment with the cuffs all to one end in two stacks of 50 each, double poly-bagged 100 per pack, 10 packs per case in a carton liner to ensure product integrity. Boxed gloves are not.

Over 98% of thin-wall, powder-free gloves are used in medical / lab / industrial applications. Operators of controlled environments often unknowingly procure a glove not designed to their application. Powder-free lab / industrial / medical grade boxed gloves are not suitable for a controlled environment because:

- Boxed gloves are powder-free, not particulate-free. Uncoated chipboard dispenser boxes shed particles, and contaminate the powder-free gloves.
- Dispenser boxes forces operators to contaminate glove when donning. Operators' bare hand should only make cuff contact.
- Additives and fillers are often used in boxed gloves which reduce ESD compatibility (surface resistivity), and negatively impact glove cleanliness.
- No post-processing to reduce surface contamination left from the dipping process.

Glove Donning Procedure

It only takes one uncleaned hand to contaminate the entire controlled environment, follow proper glove donning procedure to minimize cross-contamination, and to keep your process contaminant free.



Step 1: Wash hands thoroughly and dry



Step 2: Pick the first glove out from the dispenser by grabbing the beaded cuff of the glove.



Step 3: Don the first glove by sliding one-hand in while holding the cuff with the other hand.



Step 4: Adjust the fit-ness of the glove only by contacting the cuff, avoid touching elsewhere.



Step 5: Don second glove by using the gloved hand to pick up the cuff, repeat step 3 and 4.



Step 6: If double donning is desired, repeat step 2 to 5 with a second set of gloves after apparel gowning.



PVC Powder-Free Cleanroom 12" Glove [PDF](#)

- Polyvinyl chloride plastic material
- 12"/290mm length with beaded long cuff
- Ambidextrous shape
- Disposable and light weight
- Light bisque texture
- ESD compliant
- Low levels of particulate and extractable counts

This cleanroom packaged glove is recommended for use in a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also recommended for use in a variety of applications including electronics, pharmaceutical, laboratory and device manufacturing.



Part Number	Size	Packaging	Total/Case
VTGVCRB12-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGVCRB12-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGVCRB12-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGVCRB12-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case



Latex Powder-Free 9" Glove [PDF](#)

- 100% natural latex material provides the highest degree of dexterity
- 9"/230mm length with beaded cuff
- Ambidextrous shape
- Fully textured and smooth palm design
- Powder-free, double chlorination, filtered water rinse
- Moderate acid compatibility
- Cleanroom compatible packaging for proper donning

This cleanroom packaged glove is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications including laboratories, general industry, food processing and service, janitorial/sanitation, pharmaceutical handling, electronics assembly and light-duty maintenance and cleanup.

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



Part Number	Size	Packaging	Total/Case
VTGLPFB90-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB90-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB90-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB90-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case

Latex Powder-Free 12" Glove

- 100% natural latex material provides the highest degree of dexterity
- Cleanroom compatible packaging for proper donning
- 12"/290mm length with beaded long cuff
- Fully textured and smooth palm design
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This cleanroom packaged glove is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications including laboratories, general industry, food processing and service, janitorial/sanitation, pharmaceutical handling, electronics assembly and light-duty maintenance and cleanup.

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



Latex



Part Number	Size	Packaging	Total/Case
VTGLPFB12-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB12-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB12-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB12-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case
VTGLPFB12-2X	2X	100 ea/bag, 10 bags/case	1000 ea/case

Multi-Task 'Arizona Blue' Nitrile Glove

- 100% clean, synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator & sulfur free
- Cleanroom compatible packaging for proper donning
- 9"/230 mm length with beaded cuff
- Textured fingertips
- Powder-free, single chlorination
- ESD compliant

This cleanroom packaged glove is recommended for use in a cleanroom Class 10.000+ (ISO7+) critical environment. It is also recommended for non-sterile Life Science applications (Medical device and Pharmaceutical), as well as general purpose, non-critical applications. It is also suitable as a donning glove.



Nitrile



Part Number	Size	Packaging	Total/Case
VTGNMTPFB90AB-XS	XS	100 ea/bag, 10 bags/case	1000 ea/case
VTGNMTPFB90AB-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNMTPFB90AB-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNMTPFB90AB-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNMTPFB90AB-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case
VTGNMTPFB90AB-2X	2X	100 ea/bag, 10 bags/case	1000 ea/case



Nitrile Powder-Free 9.5" Glove [PDF](#)

- 100% clean, synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator & sulfur free
- Contains no fillers, silicones or plasticizers
- 9.5"/240 mm length with beaded long cuff
- Textured fingertips
- Powder-free, double chlorination, filtered water rinse
- ESD compliant and acid and solvent compatible

This cleanroom packaged glove is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications including semiconductor, pharmaceutical, food handling, laboratory work, electronic, intricate parts handling, and maintenance and cleanup.



Part Number	Size	Packaging	Total/Case
VTGNPFB95-XS	XS	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB95-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB95-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB95-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB95-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case



Nitrile Powder-Free 12" Glove [PDF](#)

- 100% clean, synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator & sulfur free
- Contains no fillers, silicones or plasticizers
- 12"/290 mm length with beaded long cuff
- Textured fingertips
- Powder-free, double chlorination, filtered water rinse
- ESD compliant and acid and solvent compatible

This cleanroom packaged glove is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications, including semiconductor, pharmaceutical, food handling, laboratory work, electronic, intricate parts handling, and maintenance and cleanup.



Part Number	Size	Packaging	Total/Case
VTGNPFB12-XS	XS	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB12-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB12-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB12-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB12-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case
VTGNPFB12-2X	2X	100 ea/bag, 10 bags/case	1000 ea/case

Ultra Thin Nitrile Powder-Free 9.5" Glove

- 100% clean, synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator & sulfur free
- Contains no fillers, silicones or plasticizers
- 9.5"/240mm length with beaded standard cuff
- Textured fingertips
- Powder-free, double chlorination, filtered water wash
- ESD compliant and acid and solvent compatible



Nitrile

This cleanroom packaged glove is recommended for use in a cleanroom Class 100-1,000 (ISO 5-6) critical environment. It is also commonly used in a wide variety of applications, including semiconductor, pharmaceutical, food handling, laboratory work, electronic, intricate parts handling, and maintenance and cleanup.



Part Number	Size	Packaging	Total/Case
VTGNUTPFB95-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNUTPFB95-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNUTPFB95-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNUTPFB95-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case



Nitrile Cleanroom 12" Glove

- 100% clean, synthetic nitrile polymer (Acrylonitrile Butadiene)
- Accelerator & sulfur free
- 12"/290 mm length with beaded long cuff
- Textured fingertips
- Powder-free, double chlorination, 18 mega ohm D.I. water rinse
- Low levels of particles and extractable counts
- ESD compliant and acid and solvent compatible



Nitrile

This cleanroom packaged glove is recommended for use in a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also recommended for use in a wide variety of applications that require an extremely clean glove such as wafer fabrication, disk drives, semiconductor, biotechnology, non-aseptic pharmaceutical and optics.



Part Number	Size	Packaging	Total/Case
VTGNCRB12-XS	XS	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRB12-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRB12-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRB12-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRB12-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRB12-2X	2X	100 ea/bag, 10 bags/case	1000 ea/case





Sterile Nitrile Cleanroom 12" Glove PDF

- 100% Clean, synthetic nitrile polymer material (Acrylonitrile Butadiene)
- Gamma irradiated
- 12"/290mm length with beaded long cuff
- Textured fingertips
- Powder-free, double chlorination, 18 mega ohm D.I water rinse
- Low levels of particles and extractable counts
- ESD compliant, acid and solvent compatible

This cleanroom packaged glove is recommended for use in a cleanroom Class 1-10 (ISO 3-4) critical environment. It is also commonly used in sterile environments and industries that require a very clean glove such as pharmaceutical, biotechnology, and medical device manufacturing.



Part Number	Size	Packaging	Total/Case
VTGNCRBIR12-XS	XS	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRBIR12-SM	SM	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRBIR12-MD	MD	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRBIR12-LG	LG	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRBIR12-XL	XL	100 ea/bag, 10 bags/case	1000 ea/case
VTGNCRBIR12-2X	2X	100 ea/bag, 10 bags/case	1000 ea/case