



**HOSPECO**  
CLEAN • PROTECT

■ **GLOVE SOLUTIONS**



- Nitrile Gloves
- Latex Gloves
- Vinyl Gloves
- Polyethylene Gloves
- Disposable Glove Racks
- Leather Gloves
- Cotton Gloves
- Nylon Gloves
- Flock Lined Gloves





## Disposable Nitrile, Latex and Vinyl Gloves

Disposable gloves afford your worker dexterity in applications requiring chemical protection.

### Nitrile

Versatile synthetic copolymer used to make gloves. Ideal for stripping and degreasing, chemical washing and is resistant to animal fats and vegetable oils. Nitrile does not contain latex that may cause skin allergies. Available in low to high modulus varieties.

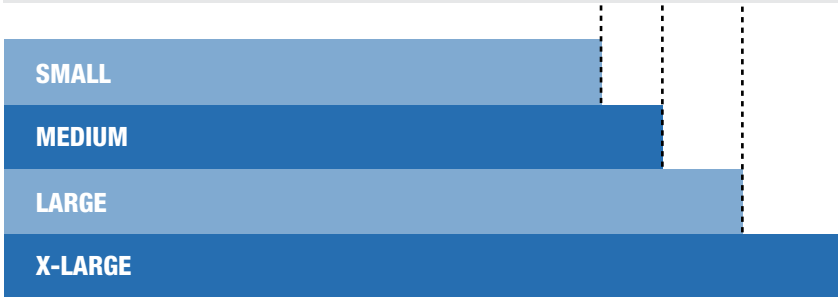
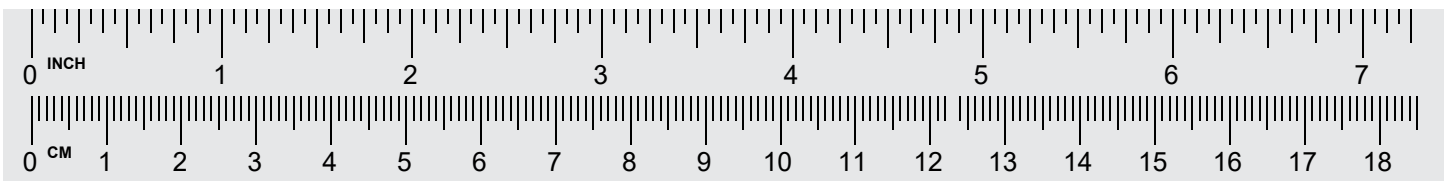
### Latex

Natural rubber latex is a milky sap-like substance produced by the rubber tree. These trees are found in Southeast Asia, India and South America. When the trunks of the trees are tapped, they produce latex. This latex is then collected and used in manufacturing. Provides excellent hand protection with an excellent grip. Does not hold up well in organic solvents, oils, greases or fuels such as kerosene or gasoline.

### Vinyl

A synthetic thermoplastic polymer which gives excellent resistance to some acids, fats and petroleum hydrocarbons. Excellent for food service applications.

Substrate	Key Component	Strength & Protection	Comfort & Fit	Possible Allergies	Typical Industry Use
Nitrile	<ul style="list-style-type: none"> <li>Blend of Butadiene, Carboxylic Acids and Acrylonitrile to form a Synthetic Polymer</li> </ul>	<ul style="list-style-type: none"> <li>Very strong</li> <li>High protection</li> <li>Resists punctures and tears</li> <li>Does not tear easily</li> </ul>	<ul style="list-style-type: none"> <li>Conforms to shape of the hand with use resulting in a slightly tighter fit</li> </ul>	<ul style="list-style-type: none"> <li>Low probability of allergies - no protein</li> <li>Popular non-latex alternative</li> </ul>	<ul style="list-style-type: none"> <li>Automotive</li> <li>Dental</li> <li>EMS</li> <li>Food Service</li> <li>Healthcare</li> <li>Industrial</li> <li>Janitorial</li> <li>Law Enforcement</li> <li>Tattoo Parlors</li> </ul>
Latex	<ul style="list-style-type: none"> <li>Natural Rubber Latex</li> </ul>	<ul style="list-style-type: none"> <li>Natural rubber latex is very durable</li> <li>Low leakage rate</li> <li>High protection</li> <li>Does not hold up well in organic solvents, oils, greases or fuels such as kerosene or gasoline</li> </ul>	<ul style="list-style-type: none"> <li>Comfortable fit due to the elasticity of natural rubber</li> <li>Soft to touch</li> <li>Snap-back qualities</li> </ul>	<ul style="list-style-type: none"> <li>High propensity for allergies due to latex proteins</li> <li>Latex powder free Gloves have a less chance of protein allergies versus powdered latex</li> </ul>	<ul style="list-style-type: none"> <li>Automotive</li> <li>Dental</li> <li>EMS</li> <li>Food Service</li> <li>Healthcare</li> <li>Janitorial</li> <li>Law Enforcement</li> <li>Medical</li> <li>Salons</li> </ul>
Vinyl	<ul style="list-style-type: none"> <li>Poly Vinyl Chloride</li> </ul>	<ul style="list-style-type: none"> <li>Weak</li> <li>Breaks with extended or rigorous use</li> <li>Low protection</li> <li>Use in low risk situations</li> <li>Anti-static properties</li> </ul>	<ul style="list-style-type: none"> <li>Comfortable due to looser fit that does not constrict hand</li> <li>Loose fit results in less dexterity</li> </ul>	<ul style="list-style-type: none"> <li>Low probability of allergies - no protein</li> </ul>	<ul style="list-style-type: none"> <li>Aviation</li> <li>Dental</li> <li>Education</li> <li>Healthcare</li> <li>Janitorial</li> </ul>



### Disposable Glove Sizing

The sizing chart above can assist in determining the size glove that would best fit an individual. Please note with the variations in types of gloves this is only a guide to help determine sizing.

### Directions

Place widest part of hand on chart above, lining-up the curve by the thumb and forefinger at the left edge.

# Get a grip on hand protection

## Nitrile Gloves - Industrial Grade

### ProWorks® Ultra Thin Nitrile Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Ultra-thin nitrile gloves provide high dexterity, excellent comfort and fit
- 300/box saves time and space

2.8 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N122F(SIZE)	Powder Free	Translucent	S, M, L, X	300/bx - 10 bx/cs

Standard: Meets ASTM D6319 for physical properties only  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 177

### ProWorks® Nitrile Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Textured fingers

3 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N103F(SIZE)	Powder Free	Blue	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D6319 for physical properties only  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

#### IMPORTANT NOTE:

HOSPECO offers a wide variety of gloves intended for many uses. The information provided is for general use. It is the responsibility of the user to test the product prior to use to ensure the product will meet your need and application.

### ProWorks® Pyramid Grip® Nitrile Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Heavy weight with high dexterity
- Palm and finger textured; deep textured for better gripping both in wet and dry applications
- Excellent in areas when color coding is needed



8.5 mil | Length: 9.25"

Item#	Description	Color	Sizes	Selling Unit
GL-NT107ORF(SIZE)	Powder Free	Orange	M, L, X, XX	100/bx - 10 bx/cs
GL-NT107BKF(SIZE)	Powder Free	Black	M, L, X, XX	100/bx - 10 bx/cs
GL-NT107NGF(SIZE)	Powder Free	Neon Green	M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319 for physical properties only  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

## Nitrile Gloves - Exam Grade

### Enov-8™ Nitrile Exam Gloves

- Non-sterile
- Latex free
- No sulfur or accelerators that cause allergic reactions
- Improved elasticity
- Protection against fentanyl - response to a situation where it is suspected that fentanyl may be present but no fentanyl products are visible
- Chemotherapy drug tested



2.5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-NCF225BF(SIZE)	Powder Free	Blue	XS, S, M, L	200/bx - 10 bx/cs
			X	180/bx - 10 bx/cs

Nitrile Powder Free Examination Gloves were tested in accordance with ASTM D6978 Standard Practice For Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs and Fentanyl Citrate.  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Best Value
- Excellent comfort and dexterity
- Excellent in areas when color coding is needed

3 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N125F(SIZE)	Powder Free	Blue-Violet	XS, S, M, L, X	200/bx - 10 bx/cs
Standard: Meets ASTM D6319 Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Excellent comfort and feel

3 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N130F(SIZE)	Powder Free	Blue-Violet	XS, S, M, L, X	100/bx - 10 bx/cs
Standard: Meets ASTM D6319 Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

Not available for sale in Canada.

### ProWorks® Polar Nite® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Same high quality as standard blue gloves
- Comfortable fit
- Excellent in areas when color coding is needed

3 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N133F(SIZE)	Powder Free	White	XS, S, M, L, X, XX	100/bx - 10 bx/cs
Standard: Meets ASTM D6319 Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

Not available for sale in Canada.

### ProWorks® Thin Mil Nitrile Exam Gloves

- Non-sterile
- Latex free

3 mil | Length: 9.5"



Item#	Description	Color	Sizes	Selling Unit
GL-N115F(SIZE)	Powder Free	Black	S, M, L, X	100/bx - 10 bx/cs
Standard: Meets ASTM D6319 Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

Not available for sale in Canada.

### MIRACLE® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Thin gauge, light weight
- Soft and flexible, providing an excellent "skin-like" fit and feel for superb tactile sensitivity

3.5 mil | Length: 9.4"



Item#	Description	Color	Sizes	Selling Unit
MIR16(SIZE#)	Powder Free	Blue	0(XS), 2(S), 5(M), 6(L) 8(XL)	200/bx - 10 bx/cs 180/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178  
Evaluated by the independent consultants engaged by the Dental Advisor (TDA), and after thousands of uses in their daily practices, the Miracle® glove received a 90% clinical rating, + + + + (Very Good) out of the best 5 + 's scale

### Koda™ Nitrile Exam Gloves

- Non-sterile
- Latex free
- No sulfur or accelerators that cause allergic reactions
- Improved elasticity
- Extended cuff for added protection
- Protection against fentanyl - response to a situation where small amount of fentanyl products are visible
- Chemotherapy drug tested

3.5 mil | Length: 10.5"



Item#	Description	Color	Sizes	Selling Unit
GL-NCF235BKF(SIZE)	Powder Free	Black	XS, S, M, L, X	100/bx - 10 bx/cs
Nitrile Powder Free Examination Gloves were tested in accordance with ASTM D6978 Standard Practice For Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs and Fentanyl Citrate. Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

Not available for sale in Canada.



### PRECISION® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Thin for maximum dexterity, yet strong enough to provide superior puncture and tear resistance
- Ultra soft and stretchy for maximum comfort
- Textured surface provides strong grip in both dry and wet applications



4 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
PCS77(SIZE#)	Powder Free	Blue-Violet	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178  
Evaluated by the independent consultants engaged by the Dental Advisor (TDA), and after thousands of uses in their daily practices, the Miracle® glove received a 90% clinical rating, + + + + (Very Good) out of the best 5 +’s scale

### NIGHT ANGEL® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Simulates fit and feel of latex gloves
- Ultra soft and super flexible to provide more dexterity and tactile sensitivity



4 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
NGL22(SIZE#)	Powder Free	Black	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Excellent comfort and feel



4 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N135F(SIZE)	Powder Free	Blue	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N145F(SIZE)	Powder Free	Black	S, M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Provides good tensile and tearing strength



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N106F(SIZE)	Powder Free	Blue	XS, S, M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Size XX not available for sale in Canada.

### ProWorks® GrizzlyNite® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured palm and fingers



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N105F(SIZE)	Powder Free	Black	XS, S, M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Size XX not available for sale in Canada.

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Orange color allows for color coding in facility
- Excellent in areas when color coding is needed



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N105ORF(SIZE)	Powder Free	Orange	S, M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### NPF Nitrile Exam Gloves

- Non-sterile
- Latex free
- Suitable for rough applications
- Softer and more elastic than most nitrile gloves of the same thickness
- Superior puncture, tear and chemical resistance
- Textured surface provides strong grip for both wet and dry applications



5.5 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
NPF88(SIZE#)	Powder Free	Blue	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### SHADOW® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Preferred choice of law enforcement agencies, correctional facilities, homeland security and fire departments
- Thick and can stand up to more rugged and harsh applications in light industrial, manufacturing and packaging jobs
- Provide superior puncture, tear and chemical resistance along with excellent dexterity
- Textured surface provides strong grip for both wet and dry applications



6 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
SHD93(SIZE#)	Powder Free	Black	0(XS), 2(S), 5(M), 6(L) 8(XL), 9(XXL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Micro textured palm and fingers
- Heavy weight
- Good for medium to heavy duty industrial applications like automotive, painting, construction, maintenance, janitorial services, production and assembly line
- Excellent in areas when color coding is needed



6 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-N107F(SIZE)	Powder Free	Black	S, M, L, X, XX	100/bx - 10 bx/cs
GL-NB107F(SIZE)	Powder Free	Blue	S, M, L, X, XX	100/bx - 10 bx/cs
GL-NG107F(SIZE)	Powder Free	Green	S, M, L, X, XX	100/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### Optify™ Nitrile Exam Gloves

- Non-sterile
- Latex free
- No sulfur or accelerators that cause allergic reactions
- Improved elasticity
- Extended cuff for added protection
- Protection against fentanyl - response to a situation where liquid fentanyl or large amounts of fentanyl products are visible
- Chemotherapy drug tested



6.5 mil | Length: 12"

Item#	Description	Color	Sizes	Selling Unit
GL-NCF265BF(SIZE)	Powder Free	Blue	XS, S, M, L, X	50/bx - 10 bx/cs

Nitrile Powder Free Examination Gloves were tested in accordance with ASTM D6978 Standard Practice For Assessment of Resistance of Medical Gloves to Permeation by Chemotherapy Drugs and Fentanyl Citrate. Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178 Meets the single-use emergency medical examination glove requirements of NFPA (National Fire Protection Association) standard on protective clothing for emergency medical operations.

Not available for sale in Canada.

### Empower® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Designed to provide extra protection and stronger resistance to wear and tear
- Glove fingers are double to almost triple the thickness when compared to some commonly used nitrile gloves
- Extra thick and durable to protect hands during "rougher" jobs
- Great for EMS, law enforcement, correctional facilities, laboratory, mid to heavy industrial applications



8 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
EPW44(SIZE#)	Powder Free	Blue	2(S), 5(M), 6(L) 8(XL), 9(XXL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178 Meets the single-use emergency medical examination glove requirements of NFPA (National Fire Protection Association) standard on protective clothing for emergency medical operations.

Not available for sale in Canada.

### ProWorks® Extended Cuff Nitrile Exam Gloves

- Non-sterile
- Latex free
- Textured fingers
- Extended cuff for added protection
- Good for heavy duty application



8 mil | Length: 12"

Item#	Description	Color	Sizes	Selling Unit
GL-N108EPF-(SIZE)	Powder Free	Blue	SM, MED, LG, XLG, 2XL	50/bx - 10 bx/cs

Meets ASTM D6319 for use in medical examinations, and ASTM F1671 for resistance to penetration by blood-borne pathogens  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### Dark Light® Nitrile Exam Gloves

- Non-sterile
- Latex free
- Provides extra protection and stronger resistance to wear and tear
- Popular among mechanics and is ideal for spray painting application as these gloves are thicker to protect against painter thinners, paints and light chemicals
- Great for law enforcement agencies, military, correctional facilities, homeland security, laboratory, mid to heavy industrial applications
- Unique formulation makes these gloves softer and more stretchy than other nitrile gloves to fit comfortably on the hands



9 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
DLG67(SIZE#)	Powder Free	Black	5(M), 6(L)	100/bx - 10 bx/cs
			8(XL), 9(XXL)	90/bx - 10 bx/cs

Standard: Meets ASTM D6319  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178  
Meets the single-use emergency medical examination glove requirements of NFPA (National Fire Protection Association) standard on protective clothing for emergency medical operations.

Not available for sale in Canada.

### Latex Gloves - Industrial Grade

### ProWorks® Latex Disposable Gloves

- Not for medical use; non-sterile
- Comfortable fit



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-L105F(SIZE)	Powder Free	Natural	XS, S, M, L, X	100/bx - 10 bx/cs
GL-L105P(SIZE)	Powdered	Natural	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D3578 for physical properties only  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### Latex Gloves - Exam Grade

### Bronze Latex Exam Gloves

- Non-sterile
- Quality choice at an economical and affordable cost
- Made in lighter weight and thinner gauge, but are strong enough for normal everyday examination use in dental, medical, laboratory, etc.
- The textured fingertip surface provides an excellent grip



5 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
BRZ64(SIZE#)	Powder Free	Natural	0(XS), 2(S), 5(M), 6(L)	100/bx - 10 bx/cs
			8(XL)	90/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Latex Exam Gloves

- Non-sterile
- Comfortable fit



5 mil | Length: 9.5"

Item#	Description	Color	Sizes	Selling Unit
GL-L106F(SIZE)	Powder Free	Natural	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### Platinum Latex Exam Gloves

- Non-sterile
- Formulated with a thermal sensitive polymer coating on the surface without traditional chlorination process. This proprietary process keeps users hands cool after extended wear.
- Fully textured surface provides excellent grip when handling wet or dry equipment.



5.5 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
PLT55(SIZE#)	Powder Free	Natural	0(XS), 2(S), 5(M), 6(L)	100/bx - 10 bx/cs
			8(XL)	90/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### PHANTOM® Latex Exam Gloves

- Non-sterile
- High ratings from tattoo, piercing, body art artists and high-end hair salon and beauty professionals
- Dark black color stands out and masks stains, inks and dyes during use
- Preferred choice of law enforcement agencies, correctional facilities, fire departments, homeland security and postal facilities
- Textured surface provides superior grip in both wet and dry applications



6 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
PHM91(SIZE#)	Powder Free	Black	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### GOLD Latex Exam Gloves

- Non-sterile
- Ultimate choice of dental and medical professionals who demand uncompromising quality and protection from a latex glove, with the minimum risk of potential chemical residue or rubber latex protein related allergies
- Specially manufactured with a light chlorination process, these gloves maintain a non-slip, 'tacky' surface that provides excellent grip for both dry and wet applications
- The smooth interior finish makes donning and doffing the gloves very easy



6 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
GLD26(SIZE#)	Powder Free	Natural	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Total Grip Latex Examination Gloves

- Non-sterile
- Double chlorinated - provides excellent donning
- Textured fingers
- Made from natural rubber latex
- Excellent comfort and feel
- Comfortable fit



6.5 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
GL-L165F(SIZE)	Powder Free	Natural	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D3578-05

Not available for sale in Canada.

### EXPLORER® Latex Exam Gloves

- Non-sterile
- Provides extra protection and stronger resistance to wear and tear
- The Explorer® glove has little or no chlorine scent and provides an excellent grip as a result of our advanced single chlorinated process; whereas other gloves could appear in yellowish color, brittle, exude strong chlorine odor, and could be slippery or uneven in grip due to over-chlorination or off line chlorination process
- Great for EMS, law enforcement, correctional facilities, laboratory, light to mid mechanics and industrial applications



6.5 mil | Length: 9.4"

Item#	Description	Color	Sizes	Selling Unit
EXP10(SIZE#)	Powder Free	Natural	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### ProWorks® Extended Cuff High Risk Latex Exam Gloves

- Non-sterile
- Double chlorinated - provides excellent donning
- Textured fingers
- Extra length and heavier weight provide additional protection against the exposure to chemicals



13 mil | Length: 12"

Item#	Description	Color	Sizes	Selling Unit
GL-L113F(SIZE)	Powder Free	Blue	S, M, L, X	50/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Not available for sale in Canada.

### HERO® Latex Exam Gloves

- Non-sterile
- Extended cuff provides coverage over the wrist and forearm for additional protection
- Designed to provide the highest level of protection for high-risk and heavy-duty applications
- Ideal for EMS, trauma, law enforcement, mortuary, laboratory, mid to heavy mechanics and industrial use
- Greater strength for extended use



14 mil | Length: 11.5"

Item#	Description	Color	Sizes	Selling Unit
HER00(SIZE#)	Powder Free	Blue	2(S), 5(M), 6(L), 8(XL), 9(XXL)	50/bx - 10 bx/cs

Standard: Meets ASTM D3578  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178  
Meets the single-use emergency medical examination glove requirements of NFPA (National Fire Protection Association) 1999 – 2013 standard on protective clothing for emergency medical operations

Not available for sale in Canada.



## Vinyl Gloves - Industrial Grade

### ProWorks® Vinyl Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Excellent in food service areas and when color coding is needed

3 mil | Length: 9"



Item#	Description	Color	Sizes	Selling Unit
GL-V144F(SIZE)	Powder Free	Blue	S, M, L, X	100/bx - 10 bx/cs
GL-V144P(SIZE)	Powdered	Blue	S, M, L, X	100/bx - 10 bx/cs

Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Vinyl Exam Gloves

- Non-sterile
- Latex free
- Soft touch and comfortable fit

4 mil | Length: 9"



Item#	Description	Color	Sizes	Selling Unit
GL-V104F(SIZE)	Powder Free	Clear	S, M, L, X	100/bx - 10 bx/cs

Standard: Meets ASTM D5250  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

## Stretch Vinyl Gloves - Industrial Grade

### ProWorks® Vinyl Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Soft touch and comfortable fit

3 mil | Length: 9"



Item#	Description	Color	Sizes	Selling Unit
GL-V103F(SIZE)	Powder Free	Clear	S, M, L, X, XX	100/bx - 10 bx/cs
GL-V103P(SIZE)	Powdered	Clear	S, M, L, X	100/bx - 10 bx/cs

Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### ProWorks® Stretch Vinyl Disposable Gloves

- Not for medical use; non-sterile
- Latex free
- Soft like latex and more elasticity than standard vinyl
- Better tensile strength compared to regular vinyl
- Creamy color resembles latex gloves
- Low cost alternative for latex gloves

4 mil | Length: 9"



Item#	Description	Color	Sizes	Selling Unit
GL-SV104F(SIZE)	Powder Free	Cream	S, M, L, X	100/bx - 10 bx/cs

Meets ASTM D5250 for physical properties only  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

## Vinyl Gloves - Exam Grade

### VPF Vinyl Exam Gloves

- Non-sterile
- Economical solution to hand protection
- Formulated from a special synthetic component and soft PVC material, these gloves are softer fit snugly and comfortably to the hands

3.9 mil | Length: 9.4"



Item#	Description	Color	Sizes	Selling Unit
VPF23(SIZE#)	Powder Free	Clear	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D5250  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

## Stretch Vinyl Gloves - Exam Grade

### VITEX™ Stretch Vinyl Exam Gloves

- Non-sterile
- Made of a special PVC blend
- Exceptional snug fit and some stretchability, they are less baggy than regular vinyl gloves and provide better tactile-sensitivity
- Creamy color resembles latex gloves

3.9 mil | Length: 9.4"



Item#	Description	Color	Sizes	Selling Unit
VTX99(SIZE#)	Powder Free	Cream	0(XS), 2(S), 5(M), 6(L) 8(XL)	100/bx - 10 bx/cs 90/bx - 10 bx/cs

Standard: Meets ASTM D5250  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

Polyethylene Gloves

**ProWorks® Cast Polyethylene Gloves**

- More durable than standard polyethylene gloves
- Loose fit designed for easy and fast on and off
- Great for frequent glove changes
- Embossed for better grip



Item#	Description	Color	Sizes	Selling Unit
GL-CP100(SIZE)	Embossed	Clear	S, M, L	100/bx - 10 bx/cs
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

**ProWorks® Polyethylene Gloves**

- Loose fit designed for easy and fast on and off
- Great for frequent glove changes
- Embossed for better grip

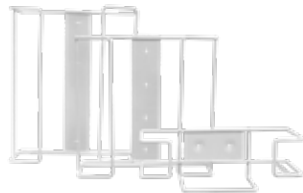


Item#	Description	Color	Sizes	Selling Unit
GL-P500(SIZE)	Embossed	Clear	S, M, L, X	500/bx - 20 bx/cs
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178				

Glove Racks

**ProWorks® Disposable Glove Racks**

- Racks organize and conserve space
- Convenient access and visibility to gloves
- Accommodates all brands and box sizes
- Made of enamel coated steel
- Easy to install and mount



Item#	Description	Color	Size	Selling Unit
DISP-GLOVE-1	1 Box Rack	White	12" x 4" x 4"	1 ea
DISP-GLOVE-2	2 Box Rack	White	11 1/4" x 11-1/2" x 4"	1 ea
DISP-GLOVE-3	3 Box Rack	White	14 3/16" x 11 1/2" x 3 3/4"	1 ea

**Leather Work Gloves**

A traditional choice for abrasion and durability.



**Cowhide** - Leather offers a high puncture resistance. It is the most popular choice for gloves because it is easy to maintain. Cowhide is greatly valued for its texture, appearance, durability and comfort. It has good insulation and protection, especially against heat.



**Pigskin** - Pigskin offers high abrasion resistance. It is dense lightweight leather with a soft and supple feel. Pigskin is breathable and it will not harden or stiffen once wet.



**Goatskin** - Natural oils make goatskin soft and pliable. Goatskin is considered one of the strongest leathers. The leather is excellent for flexibility, tactility, durability abrasion, puncture and tear resistance.



**Grain Leather** - This is the smooth outside top layer after the hide has been split into layers. Grain leather is more expensive because of its appearance. It is usually used for things like upholstery, wallets and fashion items.

**Split Leather** - This cut of leather is the layer below the grain. More economical, the leather will be coarser and has higher resistance to abrasion. Split leather will repel water better than grain leather.

**Leather Categories**

- **Premium:** The highest quality and most durable leather available. It is the most consistent leather with few imperfections.
- **Select:** Consistent quality and thickness with slightly less durability than premium
- **Standard:** The best value for the price and quality
- **Economy:** The least expensive option with inconsistencies in the leather appearance and texture

Leather Gloves

**ProWorks® Standard Grade Leather Palm Gloves**

- Standard split leather cowhide
- Wing thumb
- Striped cotton/polyester back
- 2.5" rubberized safety cuff
- Leather palm, full index finger, fingertips and knuckle strap
- Application: Construction work, warehouse



Item #	Description	Color	Size	Selling Unit	Case Pack
GWLPEG1	Standard Grade	Gray Stripe	Large	1 dz	10 dz/cs

**ProWorks® Premium Grade Leather Palm Gloves**

- Standard split leather cowhide
- Wing thumb
- Orange canvas back
- 3" rubberized safety cuff
- Leather palm, full index finger, fingertips and knuckle strap
- Application: Construction work, warehouse



Item #	Description	Color	Size	Selling Unit	Case Pack
GWLPSG1	Premium Grade	Gray/Orange	Large	1 dz	10 dz/cs
GWLPSGX	Premium Grade	Gray/Orange	X-Large	1 dz	10 dz/cs

**ProWorks® Select Leather Double Palm Gloves**

- Durable Split leather cowhide double palm for extra protection
- Striped cotton/polyester back 2.5" rubberized safety cuff
- Leather palm, full index finger, fingertips and knuckle strap
- Double layer palm, thumb and index finger
- Application: Construction, heavy duty application needs, abrasion resistance



Item #	Description	Color	Selling Unit	Case Pack
GWLDBP1	Leather Double Palm	Gray/Stripe	1 dz	6 dz/cs

**ProWorks® Standard Grain Pigskin Driver Gloves**

- Standard grain pigskin
- Keystone thumb
- Shirred elastic wrist
- Economical
- Withstands exposure to moisture and cold; dries soft without splitting or cracking
- Application: Landscaping, outdoor jobs



Item #	Description	Color	Size	Selling Unit	Case Pack
GWPSLDRI-M	Pigskin	Tan/Green	Medium	1 dz	10 dz/cs
GWPSLDRI-L	Pigskin	Tan/Brown	Large	1 dz	10 dz/cs
GWPSLDRI-X	Pigskin	Tan/Navy	X-Large	1 dz	10 dz/cs

**ProWorks® Standard Grain Cowhide Driver Gloves**

- Grain cowhide
- Keystone thumb
- Shirred elastic wrist
- Colored hem
- Excellent durability and abrasion resistance
- Application: Utility work, framing, carpentry



Item #	Description	Color	Size	Selling Unit	Case Pack
GWCGLDRI-S	Cow Hide	Off-White/Red	Small	1 dz	10 dz/cs
GWCGLDRI-M	Cow Hide	Off-White/Green	Medium	1 dz	10 dz/cs
GWCGLDRI-L	Cow Hide	Off-White/Brown	Large	1 dz	10 dz/cs
GWCGLDRI-X	Cow Hide	Off-White/Navy	X-Large	1 dz	10 dz/cs

**ProWorks® Standard Split Cowhide Leather Welder Gloves**

- Standard gray cowhide leather
- Wing thumb
- Gauntlet cuff
- One piece palm
- Jersey Lining
- Reinforced seams



Item #	Description	Color	Size	Selling Unit	Case Pack
GWGLWLD1	Welder's Glove	Gray	Large	1 pr	72 pr/cs

Cotton Gloves

**ProWorks® Brown Jersey Gloves**

- 8 oz. poly/cotton
- Knit wrist
- Can be used alone or as a glove liner



Item #	Description	Color	Size	Selling Unit	Case Pack
GWJBSW-1	8 oz.	Brown	One Size	1 dz	25 dz/cs

**ProWorks® Lined Brown Jersey Gloves**

- Poly/cotton
- Fleece lining for additional warmth and protection
- Knit wrist



Item #	Description	Color	Size	Selling Unit	Case Pack
GWJBLSW-1	14 oz., lined	Brown	One Size	1 dz	12 dz/cs

**ProWorks® Cotton Terry Cloth Gloves**

- 100% cotton terry cloth
- Loop out terry
- Good abrasion resistance
- Loops help in quick heat dissipation



Item #	Description	Color	Size	Selling Unit	Case Pack
GWCTRKW-1	24 oz., terry cloth	Natural	Large	1 dz	25 dz/cs

**ProWorks® Grey Medium Weight String-Knit Gloves**

- Cotton/polyester knitted glove
- Ambidextrous



Item #	Description	Color	Size	Selling Unit	Case Pack
GWSKG-L	Medium Weight String Knit	Gray	Large	1 dz	25 dz/cs

**ProWorks® String-Knit Gloves**

- Comfortable cotton/polyester string knit shell
- Can be used alone or as a glove liner



Item #	Description	Color	Size	Selling Unit	Case Pack
GWSKN-L	Standard String Knit	Natural	Large	1 dz	25 dz/cs

**ProWorks® PVC Dotted String Knit Gloves**

- Medium weight cotton/poly blend string knit; breathable
- PVC dots increase gripping tactility
- Warehouse glove



Item #	Description	Color	Size	Selling Unit	Case Pack
GWSKDB1	Single Sided, String Knit	Natural, Black Dots	Large	1 dz	25 dz/cs
GWSKDB2	Double Sided, String Knit	Natural, Black Dots	Large	1 dz	25 dz/cs

**ProWorks® Lightweight Lisle Inspector Gloves**

- 100% cotton lisle
- Protect sensitive equipment and products from fingerprints and hand oils
- Can be used alone or as a glove liner



Item #	Description	Color	Size	Selling Unit	Case Pack
GWCTIN-M	Lightweight Lisle Inspector Glove	White	Ladies Medium	1 dz	100 dz/cs
GWCTIN-L	Lightweight Lisle Inspector Glove	White	Mens Large	1 dz	100 dz/cs

Nylon Gloves

**ProWorks® Lightweight Nylon Inspector Gloves**

- Lightweight nylon
- Low lint for inspection
- Protect sensitive equipment and products from fingerprints and hand oils
- Can be used alone or as a glove liner



Item #	Description	Color	Size	Selling Unit	Case Pack
GWNLIN-1	Lightweight Nylon Inspector Glove	White	Large	1 dz	100 dz/cs



**IMPORTANT NOTE:**

HOSPECO offers a wide variety of gloves intended for many uses. The information provided is for general use. It is the responsibility of the user to test the product prior to use to ensure the product will meet your need and application.

## Flock Lined Gloves

### General Purpose Flock Lined Latex Gloves

- Flock lined
- Patterned palms for added grip



Item #	Description	Color	Size	Selling Unit
GL-L116LS	16 mil, Honeycomd Pattern	Yellow	Small	10 dz pairs/cs
GL-L116LM	16 mil, Honeycomd Pattern	Yellow	Medium	10 dz pairs/cs
GL-L116LL	16 mil, Honeycomd Pattern	Yellow	Large	10 dz pairs/cs
GL-L116LX	16 mil, Honeycomd Pattern	Yellow	X-Large	10 dz pairs/cs

Standard: Meets ASTM 4679 for tensile strength  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

### Solvent Resistant Flock Lined Nitrile Gloves

- Flock lined
- Latex free
- Patterned palms for added grip
- Resists a broad range of chemicals



Item #	Description	Color	Size	Selling Unit
990800-SM	15 mil, Diamond Pattern	Green	Small	12 dz pairs/cs
990800-MED	15 mil, Diamond Pattern	Green	Medium	12 dz pairs/cs
990800-LG	15 mil, Diamond Pattern	Green	Large	12 dz pairs/cs
990800-XLG	15 mil, Diamond Pattern	Green	X-Large	12 dz pairs/cs

Standard: Meets ASTM 4679 for tensile strength  
Complies with FDA CFR Title 21 Indirect Food Additive Regulations Part 174-178

# Glove Substance Chart

## General Informations And Cautions

This recommended gloves selection guide is offered as a general guidance only. The barrier properties of each glove type may be affected by material type, thickness, concentration of chemical, length of exposure to the chemical and temperature. Disposable gloves are designed for single use only. Gloves should be removed and replaced with a new pair upon exposure to chemicals. Chemical resistance ratings are based on published research data not based on individual glove's testing.

**Key:** ■ Good ■ Fair ■ Not recommended

Chemical	Latex	Nitrile	Vinyl
Acetaldehyde	■	■	■
Acetic Acid	■	■	■
Acetone	■	■	■
Acetonitrile	■	■	■
Acrylic acid	■	■	■
Aircraft stripper	■	■	■
Aluminum nitrate (nonhydrous) (10% concentration)	■	■	■
Ammonia (anhydrous)	■	■	■
Ammonium hydroxide (30% concentration)	■	■	■
Ammonium oxalate	■	■	■
Ammonium sulfate (aqueous)	■	■	■
Animal Fats	■	■	■
Antifreeze (methanol-based)	■	■	■
Blood Borne Pathogens (exam grade gloves only)	■	■	■
Battery Acid	■	■	■
Brake fluid	■	■	■
n-Butyl alcohol (propyl carbinol)	■	■	■
1,3-Butylene glycol (1,3-butanediol)	■	■	■
Calcium chloride (aqueous)	■	■	■
Calcium hydroxide (dental)	■	■	■
Carbamide peroxide (urea+hydrogen peroxide at 1:1 ratio)	■	■	■
Carbon tetrachloride	■	■	■
Castor Oil	■	■	■
Chromic acid (50% concentration)	■	■	■
Citric acid (10% concentration)	■	■	■
Creasol	■	■	■
Cupric sulfate (copper sulfate)	■	■	■
Cyclohexane	■	■	■
Cyclohexanol	■	■	■
Denatured alcohol	■	■	■
Dental etching material	■	■	■
Dental resin cement	■	■	■

Chemical	Latex	Nitrile	Vinyl
Dental waxes	■	■	■
Denture polishing material	■	■	■
Detergent solutions	■	■	■
Developing fluids	■	■	■
Diamond polishing paste	■	■	■
Dibutyl phthalate	■	■	■
Diesel fuel	■	■	■
Diesel fuel additive	■	■	■
Diethylamine	■	■	■
Diethylene glycol	■	■	■
Dimethylformamide	■	■	■
EDTA (17% solution)	■	■	■
Engine cleaner and degreaser	■	■	■
Ethanol (ethyl alcohol) (95% concentration)	■	■	■
Ethanolamine	■	■	■
2-ethoxyethanol (ethoxyethanol)	■	■	■
Ethylene glycol	■	■	■
Ethylene oxide	■	■	■
Formaldehyde (37%)	■	■	■
Formalin (40% concentration of formaldehyde)	■	■	■
Formamide	■	■	■
Formic acid (90% concentration)	■	■	■
Freon 11	■	■	■
Freon 12	■	■	■
Fuel injector cleaner (primarily kerosene)	■	■	■
Gasoline	■	■	■
Glass ionomer dental cements	■	■	■
Glucose	■	■	■
Glycerin	■	■	■
Glycerol	■	■	■
Grease, automotive (petroleum-based)	■	■	■
Grease, automotive (silicon-based)	■	■	■
Grease, automotive (synthetic)	■	■	■
Heptane (n-heptane)	■	■	■
Hexane	■	■	■
Hydrochloric Acid (1-50%)	■	■	■
Hydrofluoric Acid (48%)	■	■	■
Hydrogen Peroxide (3%)	■	■	■

Chemical	Latex	Nitrile	Vinyl
Hydroquinone	Green	Yellow	Yellow
Isobutanol (isobutyl alcohol)	Green	Green	Red
Isopropanol (isopropyl alcohol)	Green	Green	Red
Kerosene	Red	Green	Red
Ketones	Green	Red	Red
Lacquer thinners	Red	Red	Green
Lactic acid	Green	Green	Green
Lead acetate	Green	Green	Red
Linoleic acid	Red	Green	Green
Linseed oil	Red	Green	Red
Lubricants (containing mineral spirits)	Red	Green	Red
Maleic acid	Yellow	Yellow	Yellow
Mercuric chloride	Green	Green	Red
Mercury	Green	Green	Red
Methane	Red	Green	Red
Methyl alcohol (methanol)	Yellow	Green	Red
2-Methoxyethanol (ethylene glycol monomethyl)	Red	Yellow	Red
Methyl amine	Yellow	Green	Yellow
Methyl bromide	Yellow	Yellow	Red
Mineral spirits	Red	Green	Red
Monoethanolamine	Green	Green	Green
Motor oil	Red	Green	Red
Naphtha	Red	Green	Red
Nitric acid (50% concentration)	Red	Red	Yellow
Nitromethane (95.5% concentration)	Yellow	Red	Red
Octyl alcohol (octanol)	Green	Green	Yellow
Oleic acid	Yellow	Green	Yellow
Oxalic acid	Green	Green	Red
Paint (latex-based)	Red	Yellow	Red
Paint (oil-based)	Red	Green	Red
Palmitic acid	Green	Green	Green
Paraformaldehyde	Red	Green	Red
Parts wash, automotive	Red	Green	Red
Pentane	Red	Green	Red
Pentyl ether (same as pentane)	Red	Green	Red
Perchloric acid (60% concentration)	Yellow	Red	Red
Perchloroethylene	Red	Green	Red
Petroleum distillates (naphthas)	Red	Green	Red

Chemical	Latex	Nitrile	Vinyl
Phenol (0.1% concentration)	Green	Green	Green
Phosphoric acid(0 to 50% concentration)	Green	Green	Green
Phosphoric acid (50-85% concentration)	Green	Green	Green
Potassium bromate	Green	Green	Green
Potassium chloride	Green	Green	Green
Potassium cyanide	Green	Green	Green
Potassium dichromate (aqueous)	Green	Green	Green
Potassium iodide	Green	Green	Green
Potassium permanganate	Green	Green	Red
Potassium sulfate (potassium sulphate)	Green	Green	Red
Propyl alcohol	Green	Green	Red
Propylene glycol	Green	Green	Red
Rust inhibitors, automotive	Green	Green	Red
Rust remover, automotive (containing <50% phosphoric acid)	Green	Green	Red
Silver nitrate (0.17N)	Green	Green	Red
Sodium acetate (aqueous)	Green	Green	Red
Sodium azide (sodium salt)	Green	Green	Red
Sodium bicarbonate (baking soda)	Green	Green	Red
Sodium chloride (aqueous)	Green	Green	Red
Sodium cyanide (aqueous)	Green	Green	Red
Sodium hydroxide (50% concentration)	Green	Green	Yellow
Sodium hypochlorite (bleach)	Yellow	Yellow	Red
Sodium thiosulfate (developing fluids)	Green	Green	Red
Staining rating (all stains)	Green	Yellow	Red
Sulfuric acid (50% concentration)	Green	Green	Green
Tannic acid (65% concentration)	Green	Green	Green
Tetrachloroethylene	Red	Yellow	Red
Toluene diisocyanate	Yellow	Red	Red
Transmission fluid, Type A	Red	Green	Red
Transmission fluid, synthetic	Red	Green	Red
Triethanolamine	Green	Green	Red
Triton X-100, Igepal CA, Polytergent G (octoxynol with varying ethyleneoxide units)	Green	Green	Red
Tung oil	Red	Green	Red
Turpentine	Red	Green	Red
Undercoater, rubberized (automotive)	Red	Green	Red
Urea	Green	Green	Red
Varnish	Red	Green	Red

## Glove Terms

**Absorbable Dusting Powder** - A glove powder used to ease the donning of gloves. Donning powder on gloves is composed of cornstarch (USP absorbable dusting powder).

**Powder** - Due to the natural sticky characteristic of latex, powder is used as the means to prevent the gloves from sticking together and also for the ease of donning. Donning powder on gloves is composed of cornstarch (USP absorbable dusting powder). Powder gloves are easy to put on hands in a wet environment as compared to powder free gloves. Disadvantage: It leaves powder residue on hand and some users may be allergic to powder in general.

**Powder Free** - Gloves are made powder free through the chlorination or polymer coating processes. The latex protein content is substantially removed from the glove when these processes are used to remove powder.

**Examination Grade Gloves** - The FDA requires manufacturers of all examination (medical grade) gloves to have a 510(k) device listings on file with the agency. This means that the manufacturer has been tested and approved to manufacture gloves for medical use (typically involves ISO certification, as well). This does not mean that the each glove is officially approved or certified for medical use. The FDA conducts random testing on containers of examination gloves as they enter the U.S to ensure the manufacturer of the gloves maintains the quality requirement.

- Examination Gloves have to meet certain criteria of performance that is set by ASTM standard for example Latex Examination Gloves has to meet ASTM D3578
- The gloves shall comply with the dimension requirements prescribed in the standard
- Physical Properties mentioned in the standard as below
- Tensile Strength, 11 MPa, min
- Ultimate Elongation, 300% , min
- The gloves also need to be tested for Freedom from Holes based on ASTM D5151 to be used as patient examination grade gloves and tested as per below sampling plan and quality level

Characteristic	Related Defects	Inspection Level	Acceptable Quality Level (AQL)
Freedom From Holes	Holes	I	2.5
Dimensions	Width, Length and Thickness	S-2	4
Physical Properties	Before Aging, After Accelerated Aging	S-2	4

**Non-Sterile** - Examination and non-medical gloves are normally nonsterile. This means that the gloves are not subjected to gamma irradiation that kills micro-organisms.

### Not for Medical Use/Industrial Grade/Disposable/General Purpose Gloves

- Disposable Gloves are generally used in the following applications: Food handling, salons/spas, electronic assemblies, laboratorial work, and packing process, automotive, janitorial, general pharmaceutical and home use. These gloves are not recommended for medical use or patient examination, especially to prevent transmission of organisms, blood-borne pathogens and protection against various chemicals.

**Elongation** - Measurement of the length a glove can be stretched before it breaks. It is expressed as a percent of the original length of the glove right at the moment it breaks. The higher the percentage, the more stretchable the glove material.

**Federal Food, Drug, and Cosmetic Act (FFDCA)/21CFR** - The FDA is responsible for regulating food additive use. In addition to direct food additives, their regulations also cover substances that may become indirect food additives when food comes into contact with them. In this sense, gloves are indirect food additives, and the FDA regulations include provisions specifying which substances are acceptable components. These can be found in Title 21 of the Code of Federal Regulations, Part 174-178. It is in compliance with these regulations that is critical to glove manufacturers, and should be of greatest interest to end-users. The materials latex; nitrile butadiene rubber; Poly Vinyl Chloride and Polyethylene that are used to make disposable gloves are safe to be used as an indirect additive to come in contact with food.

**Glove Thickness (Measured in mil. 1 mil =0.025 mm)** - The glove thickness varies from one area to the other. The glove thickness is highest at the tip of the finger; medium at the middle of the palm and lowest at the cuff and it is due to manufacturing process of dipping the hand former up side down in the filled tank. The perception of thicker the glove better the glove quality is not always true. Thicker glove may support longer exposure to chemicals being a stronger barrier than a thinner glove but for other application where tensile strength; elasticity; dexterity are required thinner glove would be preferred choice. With the advancement of manufacturing process; raw material properties thin mil gloves like 3.0 mil nitrile glove now has the same tensile strength like 5.0 mil nitrile glove.

**Leaching** - The washing and cleansing process of gloves with water in the manufacturing of gloves, by which excess chemicals and/or latex protein are dissolved and washed away from the gloves.

**Modulus** - A low modulus glove is easy to stretch and flex, whereby a high modulus glove is hard to move and stretch.

**Permeation** - Movement of substance through a thin film, such as a glove, on a molecular level.

**Tensile Strength** - Measurement of the amount of force or pull required to break a glove. Tensile strength is expressed in Mpa, and the higher the number, the stronger the glove material.

**Rolled Cuffs** - Provides strength in donning and helps prevent tearing.

**Knit Wrist** - Holds the glove secure to the wrist to prevent debris from entering at the wrist.

**Safety Cuffs** - Help protect the wrist area by extending the cuff (usually a 2 1/2" in length).

**Gauntlet Cuffs** - Ensure added forearm protection and are 4 1/2" or more in length.

**Wing Thumbs** - For open handed work (pushing/pulling). Seams do not interfere with work area. Reduced stress on seams.

**Straight Thumbs** - Construction of glove provides a closed thumb gripping position for comfort and durability.

**Keystone Thumbs** - Most comfortable glove to wear; added flexibility provides excellent wear resistance.

**Ambidextrous** - Reversible style can be worn on either hand for a longer lasting use.

**Flocked Lining** - Cotton fiber applied to the inside of unsupported gloves. Absorbs perspiration and allows for better comfort.