MedlineExamGloves

The best choice for quality protection

MEDLINE

Choosing the right glove is a challenge; today you have more choices than ever before, thanks to advanced glove technology. Medline wants to make it simple for you to evaluate those options. This new guide to Medline exam gloves clarifies the differences between major glove types to help you make an informed decision. It even contains a *"Gloves by Department"* section that matches glove properties to the typical requirements of specific areas in the hospital.

Medline is focusing on the future by developing new gloves that use the very latest technology to provide outstanding fit, comfort, and performance. Be sure to read about our Aloe*touch*® gloves, which have an aloe vera coating that soothes and hydrates healthcare workers' hands, and our improved nitrile gloves, which offer great strength and are more comfortable than ever.

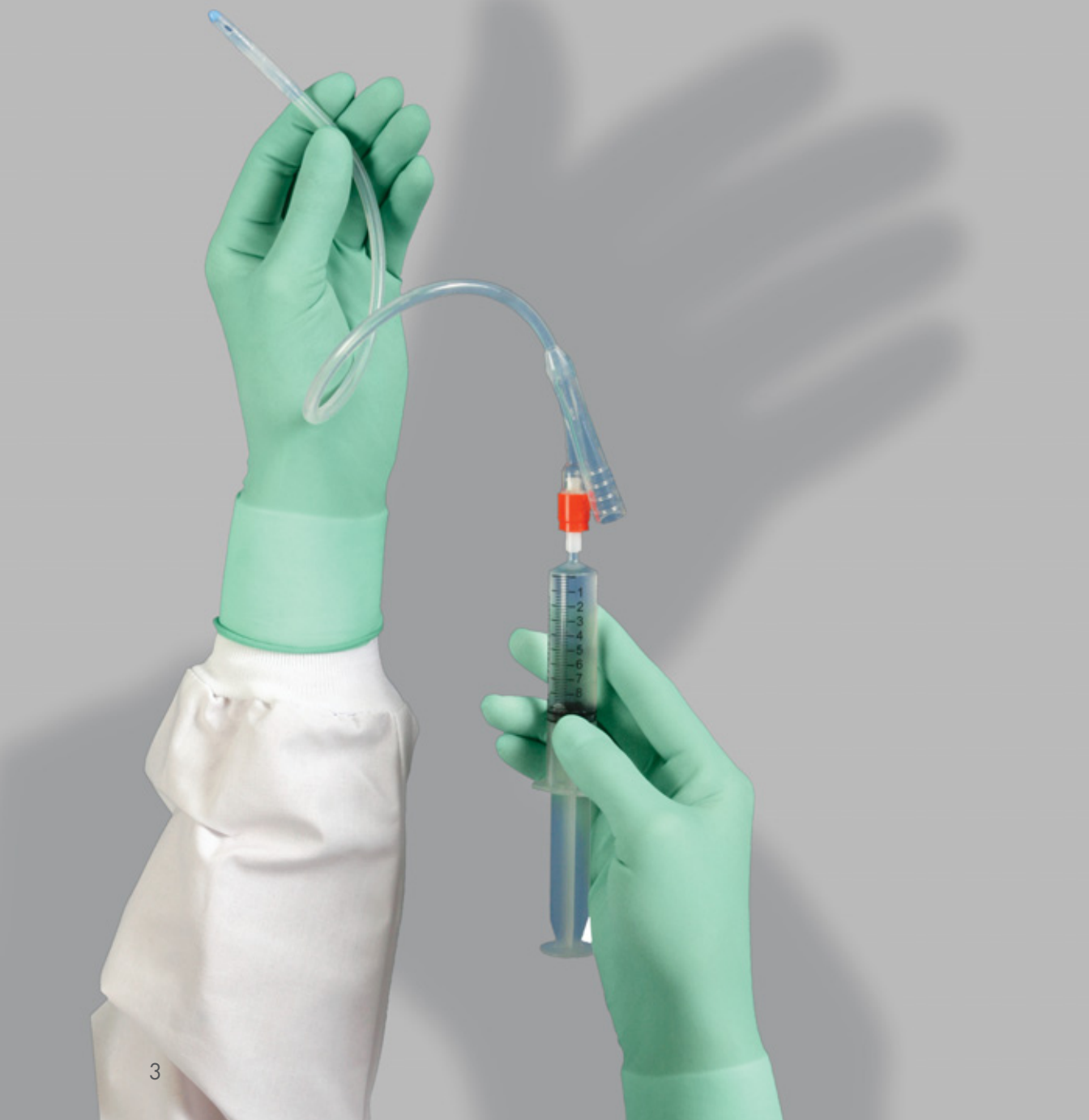
As always, we welcome your suggestions.

Andy Mills
President
Medline Industries, Inc.

Aloe*touch*® Gloves

The only exam gloves coated with aloe vera to help soothe and moisturize skin

Every day, millions of healthcare workers trust Aloe*touch*® exam gloves to protect their hands like no other glove can. Coated on the inside with pure aloe vera gel — a natural emollient — Aloe*touch*® gloves hydrate the skin and help to keep it soft and healthy.



Benefits of Better Skin Health

- Greater compliance with handwashing and glove protocols
- Less chance of cross-contamination
- Higher job satisfaction among clinicians
- Potential savings from reduced turnover and lower infection rates

Aloe*touch*® Options

Aloe*touch* powder-free nitrile

Promotes and maintains healthy skin — the industry's best choice for complete protection. Available in both 9.5-inch and 12-inch lengths.

Aloe*touch* Ultra IC powder-free stretch vinyl

Hydrates skin with natural aloe; strong and durable stretch synthetic option. Enhanced inner coating for easier donning.

Aloe*touch* 3G powder-free stretch vinyl

Coated with skin-soothing aloe — the best-performing vinyl glove on the market.

Aloe*touch* powder-free latex

Soothes and moisturizes skin, with low protein levels to help reduce latex sensitivity.

"Thanks to Medline for providing a glove with an aloe vera coating that truly moisturizes and hydrates the skin. As an infection control practitioner who promotes excellent skin care for healthcare workers, I truly believe the aloe glove enhances hand care."

Louise Standridge, RN
Director of Epidemiology, Carraway Methodist Medical Center

Visit **www.aloetouch.com** to learn more!

Premium Vinyl Gloves

Medline vinyl synthetic gloves: all-around performance made better by technology

Advances in vinyl synthetic glove technology have enabled Medline to make significant improvements in the features that matter most to you: strength, elongation, tactile sensitivity, and comfort. Our third-generation vinyl synthetic gloves are nothing like the vinyl synthetic gloves of a few years ago, thanks to advanced-formulation polymers.

latexfree PRODUCT

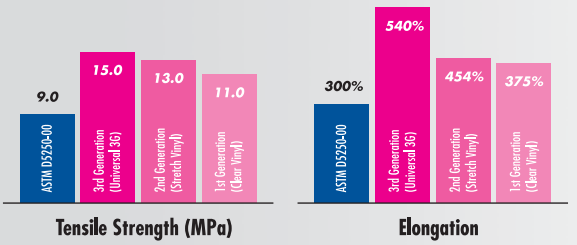
Ideal for Latex-Free Environments

Today's improved vinyl synthetic gloves are a cost-effective, latex-free alternative well suited to the majority of clinical applications. Except for a few instances that call for specialty gloves (e.g., chemotherapy gloves in Oncology), stretch vinyl gloves are an excellent choice for economical latex-free barrier protection.

Three Generations... What's the Difference?

- **First:** traditional vinyl material containing PVC resin and plasticizers.
- **Second:** stretch vinyl material with softer PVC resins for better fit, feel, and performance.
- **Third:** stretch vinyl material containing ultra-high-molecular-weight resins and special softening and strengthening agents; offers strength, comfort, and barrier protection other vinyl gloves cannot.

Comparing performance:
These charts show how tensile strength and elongation improve with each successive generation.



Vinyl Synthetic Options

Aloe*touch*® Ultra IC powder-free stretch vinyl with inner coating
Hydrates skin with natural aloe; strong and durable. Enhanced inner coating for easier donning.

Aloe*touch*® 3G third-generation powder-free stretch vinyl
Coated with skin-soothing aloe — the best-performing vinyl glove on the market.

Universal™ 3G third-generation powder-free stretch vinyl
Outstanding comfort and performance. Proprietary formulation offers remarkable softness, strength, and stretch ability.

Sensicare® second-generation powder-free stretch vinyl
Improved material offers a good fit and tactile sensitivity.

Critical and Noncritical Care Units

Labor and Delivery

Laboratory

Phlebotomy

Nitrile Gloves

Trust our nitrile gloves for strength with a soft touch

Medline has invested heavily in improving the technology of nitrile gloves to increase the softness while maintaining excellent chemical resistance and barrier protection. Our nitrile gloves are now more comfortable to wear, and new manufacturing methods have made them more affordable.

latexfree PRODUCT

Proven Chemical Resistance

Nitrile gloves are stronger and possess greater chemical resistance than both latex and vinyl gloves. They are generally recommended for use in areas that may involve higher levels of stress on exam gloves (e.g., ER and trauma units) or areas that deal with harsh chemicals or liquid immersion (e.g., Lab, Oncology, Environmental Services, Endoscopy, and Pharmacy).

Nitrile Options

Tested and approved for use with chemotherapy drugs

Aloe*touch*® powder-free nitrile
Promotes and maintains healthy skin — the industry's best choice for complete protection.

Sensicare® powder-free nitrile
High-performance latex-free protection. A soft, strong glove with excellent tactile sensitivity.

MediGuard® powder-free nitrile
A more traditional nitrile glove with excellent strength and high chemical resistance for hospital-wide protection.

Sensicare® Ice powder-free nitrile
Provides great sensitivity and dependable protection.

Critical and Noncritical Care Units

Emergency Room

Labor and Delivery

Laboratory

Phlebotomy

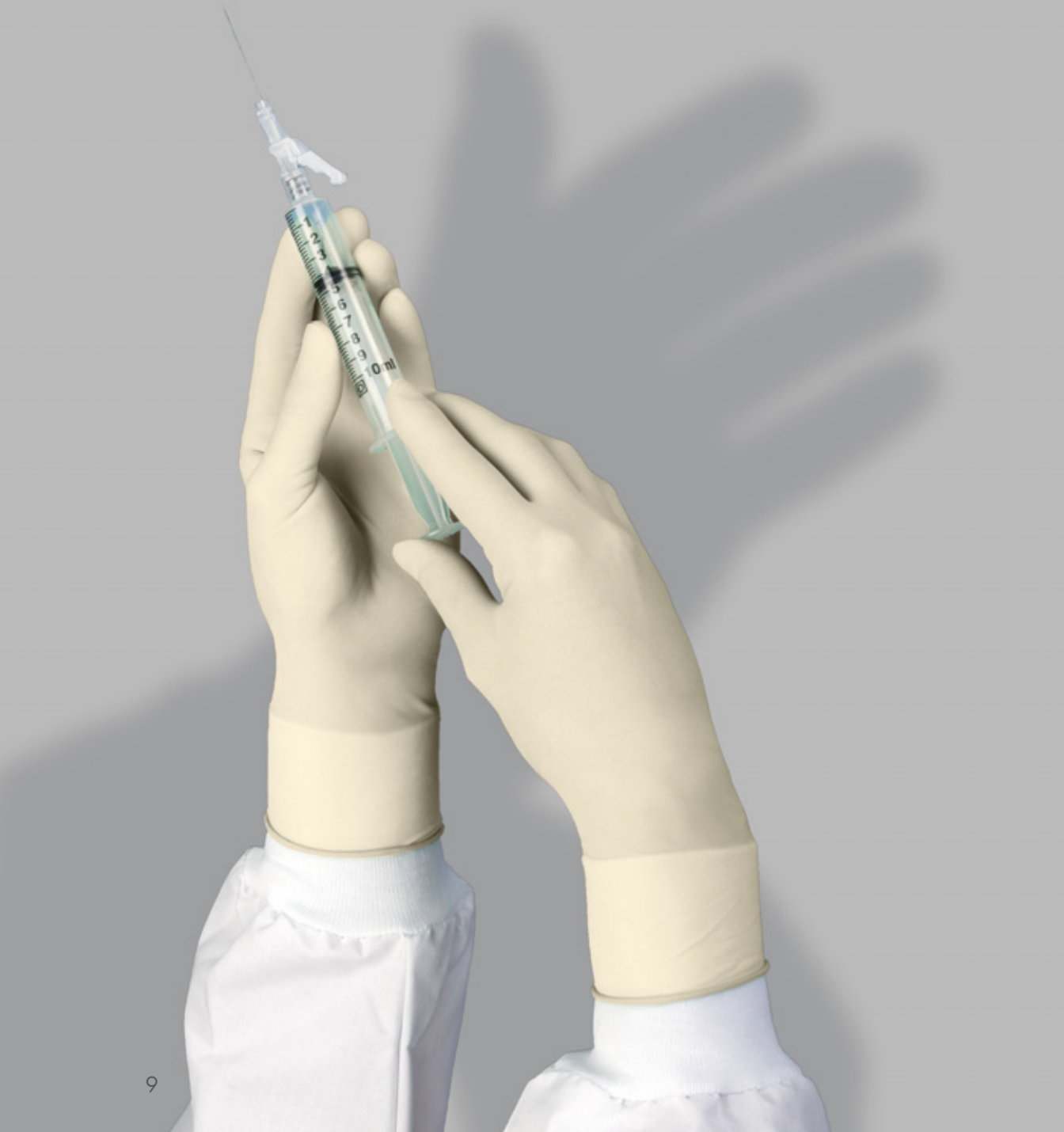
Pharmacy/ Oncology

Environmental Services

Latex Gloves

Low-protein latex gloves round out a complete line

The comfort, fit, tactile sensitivity, and durability of a well-made powder-free latex glove are unsurpassed. However, concerns about latex allergies continue. All Medline latex gloves sold today are certified low-protein and are manufactured to be strong, clean, and consistent.



The Right Touch

Latex gloves are often preferred for procedures that require greater dexterity. Whether you're looking for economy or advanced technology, Medline's wide selection means you'll have no problem finding the right latex glove for you.

Latex Options

Aloe*touch*® powder-free latex
Ideal for individuals with irritant contact dermatitis, these gloves help soothe and moisturize the skin.

Accucare Plus powder-free latex
This glove is easy to don and offers superior dexterity.

Accucare powder-free latex
Clean, consistent, dependable protection.

MediGuard® powder-free latex
Economical choice; available in textured and smooth.

Sterile Gloves

Medline offers a variety of sterile exam gloves as an efficient, economical alternative to surgical gloves for noninvasive procedures on the nursing floors.

Features:

- Easy-to-open, fluid-resistant packaging
- Compact size: fits inside a pocket
- Folded like surgeons' gloves, providing a sterile field when unwrapped
- Available in singles and pairs

Critical and Noncritical Care Units

Emergency Room

Laboratory

Phlebotomy

Environmental Services

Gloves by Department

Critical and Noncritical Care Units

Units such as Intensive Care, Med-Surg, Radiology, Respiratory, and Physical Therapy perform procedures that do not generally place significant levels of stress on examination gloves. Facilities have greater flexibility in selecting an exam glove for these areas. Powder-free nitrile, powder-free latex, and second- or third-generation stretch vinyl gloves are all excellent choices.

Special Requirements	Recommended Glove Type
Limited	Powder-free nitrile Powder-free latex 2nd- or 3rd-generation stretch vinyl

Emergency Room

Exam gloves selected for use in the Emergency Department should provide protection against bloodborne pathogens and be strong enough to withstand the rigors of the tasks performed. Nitrile and latex gloves are the recommended choices for high-stress activities. High-performance third-generation vinyl gloves can be used as a complement for routine patient care.

Special Requirements	Recommended Glove Type
Durable gloves that can be used for all procedures	Powder-free nitrile or powder-free latex

Labor and Delivery

Labor and Delivery generally prefers to use latex-free gloves to avoid any potential latex allergy issues with newborns. Sterile gloves are encouraged for actual deliveries, which may require more invasive procedures. Medline offers both stretch vinyl and nitrile sterile glove options.

Special Requirements	Recommended Glove Type
Latex-free	Powder-free nitrile or 3rd-generation stretch vinyl
Sterile procedures	Sterile powder-free nitrile or sterile 2nd-generation stretch vinyl

Laboratory

Laboratory clinicians have a variety of glove needs. Some technicians deal with harsh chemicals and require higher chemical resistance, while others have greater grip requirements and need a glove that will perform well in both wet and dry situations. All clinicians require comfortable, high-performing gloves. Those who deal with harsh chemicals should use nitrile gloves, but latex and third-generation high-performing vinyl gloves are appropriate for all other functions.

Special Requirements	Recommended Glove Type
Strong chemical resistance	Powder-free nitrile
Greater grip requirements Comfort Tactile sensitivity Durability	Powder-free latex 3rd-generation stretch vinyl

Phlebotomy

Phlebotomists need a glove with excellent tactile sensitivity that allows them to find a vein hidden beneath the skin.

Special Requirements	Recommended Glove Type
Excellent tactile sensitivity	2nd- or 3rd-generation stretch synthetic Powder-free latex Powder-free nitrile

Pharmacy/Oncology

Clinicians who are preparing, compounding, handling, or administering harsh chemotherapy drugs in these departments should use chemotherapy-approved nitrile gloves.

Special Requirements	Recommended Glove Type
Resistance to chemotherapy agents	Chemotherapy-approved powder-free nitrile

Environmental Services

Environmental Services employees may handle harsh chemical cleaning compounds and ideally should use nitrile gloves, which provide the most effective chemical resistance of all glove materials.

Special Requirements	Recommended Glove Type
Strong chemical resistance	Powder-free nitrile

Glove Properties

Viral Penetration

The viral penetration test determines if a glove forms an effective barrier against one of the smallest measurable viruses in the world, phi-X174. If the glove is a barrier to the phi-X174 virus, it also forms a barrier against larger viruses such as hepatitis B and C and the AIDS virus.

All of Medline's exam gloves have passed the viral penetration test.

Chemical Resistance and Barrier Guide

	Advantage Stretch Vinyl		Universal 3G Stretch Vinyl		MediGuard Chemo Nitrile		Aloe*touch* 12" Chemo Nitrile	
	Permeation Rate	Breakthrough (min.)	Permeation Rate	Breakthrough (min.)	Permeation Rate	Breakthrough (min.)	Permeation Rate	Breakthrough (min.)
Acetaldehyde	7.31	16	6.84	18	3.43	36	0.85	240
Ammonium Hydroxide 30-70%	1.19	335	1.26	349	2	391	0.74	410
Carmustine	N/A	N/A	N/A	N/A	0.1	480	0.1	480
Citric Acid 30-70%	0.26	358	0.1	366	0.1	367	0.1	394
Chlorox Bleach 10%	16.8	40	16.2	38	6.1	219	4.4	286
Cyclohexanol	14.7	49	13.6	56	N/T	N/T	6.2	382
Ethanol	17.1	5	16.3	6	8.6	146	4.3	216
Formaldehyde 30-70%	3.9	74	3.6	86	2.81	351	1.64	388
Formic Acid	9.2	365	7.3	378	16.2	247	10.4	286
Freon 113 or TF	23.1	12	24.6	13	14.8	360	8.6	380
Glutaraldehyde	N/T	N/T	0.18	480	0.1	480	0.1	480
Hydrazine	10.8	352	13.6	364	21.6	248	11.4	376
Hydrogen Peroxide 30%	15.1	253	16.3	248	5.8	360	4.9	360
Isopropyl Alcohol 70%	12.1	116	13.8	128	4.3	378	3.8	377
Isopropyl Alcohol 90%	7.1	150	6.2	156	4.3	378	2.14	389
Methanol	52.3	4	43.8	4.6	29	88	21	124
Potassium Hydroxide	20.2	235	18.4	246	13.2	273	9.3	386
Povidone Iodine 10%	7	280	6.8	283	23.7	253	16.4	275
Quaternary Cleaners A5 by 3M	N/T	N/T	0.82	53	13.8	140	0.9	173
Triclosan	0.03	266	0.03	342	N/T	N/T	N/T	N/T

Rating Code: *The basis of the rating code is breakthrough time in minutes only. We have color-coded the ratings for your convenience. The following table explains the rating system.*

Not Recommended
Breakthrough occurs in less than 30 minutes. Avoid use of the glove with this chemical.

Caution
Breakthrough occurs in 30 minutes to 2 hours. This glove is suitable for this chemical under careful control of its use.

Recommended
Breakthrough occurs after 2 hours. This glove is well suited for application with this chemical.

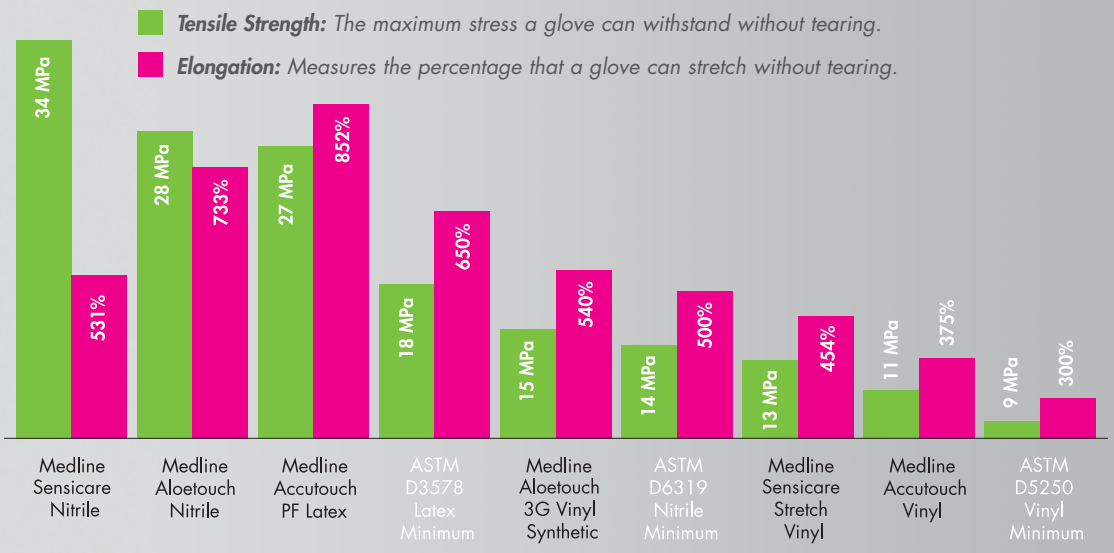
Not Appropriate

Not Tested

Permeation rate measured in μg/cm²/minute.

ASTM F739, Standard Method for Determining Resistance to Chemical Permeation Under Conditions of Continuous Contact. Testing completed by Lowenkamp R&D Laboratories Inc. Test reports on file.

Tensile Strength and Elongation



Item Index

	Description	Quantity	x-small	small	medium	large	x-large
Aloe	Aloe*touch* Ultra IC PF Stretch Vinyl	1000/case	MDS195073	MDS195074	MDS195075	MDS195076	MDS195077
	Aloe*touch* 3G PF Stretch Vinyl	1000/case	MDS195173	MDS195174	MDS195175	MDS195176	MDS195177
	Aloe*touch* PF Latex–Textured	1000/case	MDS195013	MDS195014	MDS195015	MDS195016	MDS195017
	Aloe*touch* PF Nitrile	1000/case	MDS195083	MDS195084	MDS195085	MDS195086	MDS195087
	Aloe*touch* Sensicare	2000/case	MDS195283	MDS195284	MDS195285	MDS195286	MDS195287
	Aloe*touch* PF 12" Nitrile	500/Case	—	MDS195184	MDS195185	MDS195186	MDS195187
	Aloe*touch* PF 12" Nitrile Singles, Sterile	400/case	—	MDS194081	MDS194082	MDS194083	—
Vinyl	Universal 3G PF Stretch Vinyl	1000/case	MDS196073	MDS196074	MDS196075	MDS196076	MDS196077
	Sensicare PF Stretch Vinyl	1000/case	—	484311	484312	484313	484314
	Advantage PF Stretch Vinyl	1000/case	—	MSV501	MSV502	MSV503	MSV504
	Accutouch PF Vinyl	1000/case	MDS192073	MDS192074	MDS192075	MDS192076	MDS192077
	Sensicare PF Stretch Vinyl Singles, Sterile	400/case	—	484401	484402	484403	—
Nitrile	MediGuard PF Nitrile	1000/case	—	MG6001	MG6002	MG6003	MG6004
	Sensicare PF Nitrile	1000/case	484800	484801	484802	484803	484804
	Sensicare Ice	2000/case	486800	486801	486802	486803	486804
Latex	Accucare PF Latex–Textured	1000/case	MDS191223	MDS191224	MDS191225	MDS191226	MDS191227
	Accucare Plus PF Latex–Polymer-Coated	1000/case	—	MDS191234	MDS191235	MDS191236	MDS191237
	MediGuard PF Latex–Smooth	1000/case	—	MG1214	MG1215	MG1216	MG1217
	MediGuard PF Latex–Textured	1000/case	—	MG8701	MG8702	MG8703	MG8704
	MediGuard Powdered Latex	1000/case	—	MG1204	MG1205	MG1206	MG1207
	Eudermic MP–12" High Risk	500/case	—	485601	485602	485603	485604
	Medline PF Latex Singles, Sterile	400/case	—	MDS194134	MDS194135	MDS194136	—

PF = Powder-free

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