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Nitrile Powder Free Gloves (100 in a box)



Nitrile Powder Free Gloves (200 in a box)



Nitrile Powder Free Gloves (300 in a box)



Cranberry Nitrile Gloves

These high-quality disposable gloves offer strength, durability and barrier protection that prevents skin contact to ensure contamination does not occur. They have been designed for maximum sensitivity, dexterity and comfort, and offer increased elasticity and flexibility to reduce the risk of fatigue when in use for extended periods of time. These nitrile gloves are an essential piece of PPE (Personal Protective Equipment) and allow the wearer to use the gloves at ease and with additional reassurance that they are protected.

Features and Benefits:

- The high-quality nitrile synthetic rubber offers softness and comfort, that is easy to put on with a smooth finish for a perfect fit
- Textured fingertips provide extra grip, to prevent the risk of dropping equipment or slipping when using fragile objects, even when working with liquids
- Each disposable glove has been designed for durability to protect the hand from a wide array of chemical hazards, solvents and oils, as well as reducing the risk of contamination from skin contact to ensure the highest levels of hygiene
- A powder free coating on the inner surface of each glove ensures that the gloves are secure from any potential dust contamination
- Added strength and protection at the cuff prevents the glove from being damaged easily when being put on and offers reliable protection at the weakest point
- These gloves are latex free so are suitable for latex allergy sufferers
- Available in a variety of sizes - Small, Medium, Large and Extra Large

Applications:

These disposable gloves are ideal for a wide range of tasks and professions such as dentistry, medical and clinical tasks, tattooists, hairdressers, and beauticians. They are also food safe and suitable for handling fatty foods making them ideal for catering and food preparation. Some industries and applications disposable gloves are commonly used in are:

Laboratory analysis

- Chemical industry
- Emergency services
- Electronics
- Intricate parts handling
- Pharmaceuticals
- Automotive
- Engineering
- Food processing and preparation

What are the benefits of using Nitrile Gloves?

Nitrile synthetic rubber offers higher puncture and abrasion resistance than natural rubber (latex) or vinyl and is softer and more comfortable to wear with increased flexibility. Synthetic rubber is suitable for sensitive skin as it contains no latex proteins which can cause adverse reactions. Nitrile is also resistant to chemicals and other harmful substances.







EVOLVE 300 GLOVES TESTING



Quality Management Systems



ISO 13485 & ISO 9001

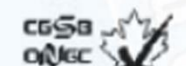


TGA
AUSTRALIA



EN 388 DERED

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EVOLVE 300

TEST REPORT

Test Report No. 719
dated 23 Mar 2018



RESULTS:

Sample: Powder Free Nitrile Examination Gloves, BS0002

Table 1: Results for EN 455-1:2000

Clause	Tests	Size	Requirements	No. of non-compliers allowed (pieces)	Number tested (pieces)	Actual no. of non-compliers found (pieces)	Inferred results
4 5	Freedom from holes	XS	Shall not leak	10	315	1	Passed
		S		10	315	1	Passed
		M		10	315	2	Passed
		L		10	315	6	Passed
		XL		10	315	4	Passed

Table 2: Results for EN 455-2:2015 Clauses 4-5

Clause	Tests	Size	Requirements (Median)	Number tested (pieces)	Results (Median)	Inferred results
4	Dimensions a) Length (mm)	XS	≥ 240	13	250	Passed
		S		13	250	Passed
		M		13	255	Passed
		L		13	250	Passed
		XL		13	248	Passed
	b) Width (mm)	XS	≤ 80	13	73	Passed
		S	80 ± 10	13	85	Passed
		M	95 ± 10	13	96	Passed
		L	110 ± 10	13	106	Passed
		XL	≥ 110	13	115	Passed
5	Strength a) Force at break (N)	XS	For nitrile examination gloves: ≥ 6.0	13	6.4	Passed
		S		13	8.6	Passed
		M		13	6.1	Passed
		L		13	6.1	Passed
		XL		13	6.6	Passed
	b) Force at break after challenge testing (N)	XS	For nitrile examination gloves: ≥ 6.0	13	7.0	Passed
		S		13	9.0	Passed
		M		13	7.3	Passed
		L		13	6.6	Passed
		XL		13	7.1	Passed

Table 3: Results for EN 455-2:2015 Clause 7

Clause	Tests	Requirements	Results	Inferred results
7	Labeling	Manufacturers shall label the glove and/or the packaging with the date of manufacture in accordance with EN ISO 15223-1:2012 and EN 1041:2008+A1:2013. Date of manufacture is defined as the packaging date.	Observed	Passed

GLOVE COMPARISONS

Medical gloves are usually made from polymers such as latex, vinyl and nitrile, although you may find disposable gloves made of other materials, such as neoprene. The following is a quick comparison of nitrile vs. latex vs. vinyl gloves, including the differences in design and their unique benefits.

We have dedicated dipping line for R&D work. This special facility enables new product development and prototyping to be carried out in the shortest time possible.

GLOVE TYPE	DEFINITION	ADVANTAGE	PROTECTION LEVEL
Latex Gloves	Made of natural rubber	Highest comfort, flexibility, fit and tactile sensitivity	Bacteria, viruses
Nitrile Gloves	Made of synthetic material	Stretchy, durable	Chemicals, viruses
Vinyl Gloves	Made of synthetic material, sometimes referred to as synthetic	Cost-efficient synthetic option, comfortable	Chemicals

LATEX GLOVES VS. LATEX-FREE GLOVES

Latex gloves are often preferred by healthcare providers since they provide the best service when it comes to elasticity, comfort and fit. Surgeons in particular benefit from latex gloves since they are great for sensitive work, since they offer more precision with high tactile sensitivity.

Despite its advantages, latex gloves have become an issue for many health professionals due to the increasing rate of latex allergies, and many are choosing to go with non-latex glove options such as vinyl and nitrile gloves instead.

Vinyl gloves, which are made from PVC (polyvinyl chloride), are usually the cheapest latex-free gloves. However, many prefer to use higher-end gloves such as nitrile gloves. Nitrile gloves are often preferred since these non-latex gloves best resemble the stretchy feel of latex gloves, and are also highly durable and puncture resistant.

Another difference to consider when deciding between latex and latex-free gloves is the protection offered by each type of material. In general, latex gloves offer the best protection against bacteria and viruses, while synthetic gloves provide better chemical protection. Of the different types of latex-free gloves, nitrile gloves offer a higher degree of protection against viruses, besides the chemical protection they provide.

PACKAGING SPECIFICATIONS



100 Latex or Nitrile™ Exam Gloves per Units

10 Individual units

Carton/1,000 Gloves/Pieces

Carton/Size Medium/Large

Carton Dimensions

UNITS PER CARTON	10 packs
EACH WEIGHT	4.5 kg
BOX DIMENSIONS	32.5X25.8X26.5 cm

Shipping Data

UNITS PER CASE	10
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GENERAL DATA SHEET

BLUE NITRILE 9" – POWDER – FREE GLOVES

Key Features

- Latex-Free – 100% Nitrile
- Anti-static, surface resistance 10⁹ ohms
- Powder Free
- Beaded Cuff
- GeoGrip 360(SM) fully textured fingers and palm
- ROHS compliant
- 3X Puncture Resistance of vinyl or natural rubber latex gloves
- Size: S – XXL 9" Length, Ambi
- Pack: 100 gloves/dispenser box

Quality Assurance Conformity

ASTM D6319 – 10 (2015)	ASTM D5151
ASTM D412	ASTM D6124
ASTM D573	U.S. Pharmacopeia-National Formulary (USP-NF)
ASTM D3577 – 09(2015)	ANSI ESD S 11.11-1993
ASTM D3578 – 95	ESD STN 11.12-2000
ASTM D3767	EN 455 (1 & 2)

NITRILE GLOVES

BLUE NITRILE 9" – POWDER – FREE GLOVES


GLOVE COMPOSITION

Material:	Acrylonitrile Butadiene Rubber	Material Color:	Blue
Mil Thickness:	5	Length:	9 inches
Country of Origin:		Product ID:	BQF09

Physical Data

Dimensions:	Length		Width	Thickness (mm)		
	Inches	mm	mm	Finger	Palm	Cuff
X-Small	9	230±10	74±3	0.18±0.03	0.15±0.03	0.12±0.03
Small	9	230±10	84±3	0.18±0.03	0.15±0.03	0.12±0.03
Medium	9	230±10	94±3	0.18±0.03	0.15±0.03	0.12±0.03
Large	9	230±10	104±3	0.18±0.03	0.15±0.03	0.12±0.03
X-Large	9	230±10	115±3	0.18±0.03	0.15±0.03	0.12±0.03
XX-Large	9	230±10	125±3	0.18±0.03	0.15±0.03	0.12±0.03
Tensile Properties:	(ASTM D3577-91)				Aged	Unaged
	Tensile Strength (MPa)		minimum		16	18
	Ultimate Elongation (%)		minimum		450%	650%
Physical Appearance:	Roll beaded cuff, gloves are blue in color					
Powder Coating:	None					
Case Pack:	100 gloves (packed by weight) per box			10 boxes/case		

NITRILE DISPOSABLE GLOVES SPECIFICATIONS

Description:	Powder Free, Natural				
Color:	white & blue & purple & pink or customized				
Packaging:	100 pcs/box 10 boxes/carton or customized				
Case Material:	carton made of paper				
Case Size:	24*24*31.5cm or customized				
Box Material:	white carton				
Box Size:	22*12*6cm				
Item	Specifications				
Length (mm)	≥ 240			XS/S ≥ 220, M/L/XL ≥ 230	
PalmWidth (mm)	XS	N/A		XS	70±10
	S	80±10		S	80±10
	M	95±10		M	95±10
	L	110±10		L	110±10
	XL	≥110		XL	120±10
	XXL	≥120		XXL	N/A
Double Thickness (mm) Double Thickness (mil)	Finger	0.23±0.06		Finger	≥0.10
		9±2mil			
	Palm	0.20±0.06mm		Palm	≥0.10
		8mil±2mil			
	Cuff	0.18±0.06mm		Cuff	N/A
		7±2mil			



Double

EN 455 Explained

EN Standards may be confusing at the best of times, but when purchasing Work Gloves to be used for medical purposes, the importance of understanding EN standard 455 cannot be understated. This is the standard that ensures two things. Firstly, that the doctor, vet or first aider using the glove is safe from bodily fluids, chemicals and bacteria. Secondly, that the patients they are treating are safe from infection.

For a glove to pass EN 455, it has to pass a meticulous set of tasks that are just as tough as any other standard. As it should be when people's lives are at stake. To save you from taking hours out of your day to trawl through endless rules and regulations, we've decided to break it down for you, into easy, digestible chunks.

What is EN 455?

EN 455 Medical Gloves for Single Use covers any glove that could be used for medical work. The glove must adhere to four separate parts before it is considered safe to be used for medical practice. The four parts are:

- Part 1: Requirements and testing of gloves for freedom from holes
- Part 2: Requirements and tests for physical properties
- Part 3: Requirements and tests for biological evaluation
- Part 4: Requirements and testing for shelf life determination

Between them they ensure that the glove will be a barrier against micro-organisms, perform effectively without breaking, protect the user from toxic and hazardous materials, and lastly how long a glove will be fit for use. For further information on each part, keep on reading.

Part 1: Testing of Gloves for Freedom of Holes

One of the last things a doctor wants when treating a patient is an issue with the physical resistance of their glove. This puts the doctor at risk of dangerous bacteria and the patient at risk of infection. A watertight test is conducted where a glove is filled with one litre of water. The higher the AQL level at the end of the test, the more pinholes were found.

An AQL of 1.5 is the standard needed to meet EN 455-1. The majority of gloves will gain 1.5, however some more specialist gloves will reach 1.0 or even 0.65.

Part 2: Tests for Physical Properties

Something a doctor may want even less than a leak during use, is a tear during use. It is common for cheaper latex gloves to rip apart while donning. Makers of medical gloves have the challenge of creating a thin glove that will grip, be comfortable, and will fit close to your hand without breaking.

Understandably, there are different expectations of gloves that have different purposes. You cannot expect a glove made for a simple inspection to adhere to the same standards as a glove designed to be used during surgery. The test pushes a force on the glove to measure when it will break. Below is the force needed for a glove to withstand to comply.

Type of Glove	Force Needed to Break (Newtons)
Surgical Gloves	9.0 Newtons
Rubber Gloves (inc. Latex)	6.0 Newtons
Thermoplastic Gloves (Vinyl)	3.6 Newtons

Part 3: Tests for Biological Evaluation

It may come as a surprise, but gloves are manufactured with a wide variety of chemicals, plastics, powders and irritants that may cause you harm. EN 455-3 exists to ensure that you are protected from the glove.

With four different areas of testing, part 3 attempts to prevent the user from developing irritable skin, suffering an allergic reaction or gaining more serious illnesses such as a fever. It is important to remember that there is always a risk of reacting to your glove, but EN 455 demands that the risk is as low as possible. The four tests are:

- **Chemical Residues:** A test is conducted to understand the levels of chemical residue left on the glove from manufacture.
- **Latex:** Tests are carried out to discover the latex protein levels on the glove. The higher the level of protein, the higher the chance of irritable skin.
- **Powder:** Powder-free gloves boast about their lack of potential irritants, but must be checked to ensure they meet the correct specifications. A powder level that exceeds 2 mg/glove is considered enough for a powdered glove.
- **Endotoxin:** Just for sterile gloves, the endotoxin must be checked. For a glove to pass as low endotoxin, the level must be below 20EU/pair of gloves (EU = Endotoxin Units).

Part 4: Determination of Shelf Life

Finally, a test is carried out to ensure the glove will not degrade while it is in transit, in a warehouse, or awaiting use. This is why Latex gloves come with a shelf life. The chemicals and proteins that have gone into a latex glove can decay over time. Part 4 specifies that medical gloves can only be stored for up to 5 years, which is the maximum shelf life for a glove.

AUDITING PROCEDURE

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Our core services can be divided into four categories:

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- **Verification:** we ensure that products and services comply with global standards and local regulations. Combining global coverage with local knowledge, unrivalled experience and expertise in virtually every industry, SGS covers the entire supply chain from raw materials to final consumption.

SGS LOGISTICS

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- Ensure safety and reliability
- Manage your supply chain
- Meet all standards and regulatory requirements
- Improve quality, efficiency and safety
- Reduce environmental impact
- Acquire reliable inspection, certification, testing, verification, auditing

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