



# Latex Gloves Catalogue













## Quality & Comfort

Natural Rubber Latex Gloves, frequently referred to as Latex Gloves, are made from renewable resources. Natural Rubber Latex is a milky fluid obtained from the tapping of the Hevea Brasiliensis tree.

Latex Gloves have been long known for their outstanding elasticity and tensile strength. Latex is by far the most durable material for examination gloves, providing a high level of protection when working directly with body fluids or in a laboratory setting.

Latex Gloves are extremely resistant to tearing, ripping or being punctured. This is partly due to their tight and clean fit against the hands and fingers, leaving little loose material which may be caught against sharp instruments or objects. Their elasticity makes them comfortable to wear even for long durations.

Nevertheless, about 10% of healthcare workers are latex-sensitive. Healthcare workers and patients who are allergic to latex must not use gloves made from Natural Rubber. Synthetic Latex Gloves such as Nitrile are the best alternative for latex sensitive individuals, which are readily available from MUN

# Did you know?

Hartalega, the parent company of MUN, was the first in the world to apply a coating of polyurethane on the donning side of latex gloves in 1993. Commonly known as Polymer Coated Gloves, these gloves reduce direct contact between the skin and the natural rubber, which contains soluble proteins that are potentially allergenic to sensitive individuals.

This breakthrough also greatly reduces the discomfort of conventional latex gloves, such as stickiness, unpleasant odor, poor physical properties, as well as the health, safety and environmental issues caused by off-line chlorination.

## How You Get The Best From Us

MUN Latex Gloves are considered the 'gold standard' in terms of quality and consistency. Our strict monitoring process ensures that we deliver the best to you consistently every time.

#### Latex Glove

#### **INCOMING RAW MATERIALS**

ALL incoming raw materials such as latex and chemicals are inspected by the Quality Assurance (QA) department before they are approved for use.

The credibility of suppliers is evaluated according to ISO requirements annually.

#### **PRODUCTION PROCESS**

#### **System Monitoring**

Critical production processes (e.g. temperature, production speed, etc.) are closely monitored by our state-of-the-art system 24 hours a day. This ensures that the gloves produced are of consistent quality.

#### **Personnel Monitoring**

Process parameters for latex, chemicals, chlorine, etc. are monitored at minimum twice a day.

Glove dimensions (e.g. palm width, length, palm and finger thickness) are monitored and inspected every 4 hours for each production line.

#### **PREPARATION**

ALL prepared chemicals are inspected by the laboratory before they are released for production.

#### **GLOVE STRIPPING**

Our fully automated glove stripping machine minimizes glove defects and human contamination.

#### PRE-QUALITY INSPECTION (QAI)

QAI for each watertight test and visual test is conducted every hour for each production line to ensure the gloves meet the Acceptable Quality Level (AQL).

Although AQL1.5 is our commitment to our customers, a TIGHER CONTROL of AQL1.0 is our in-house standard for internal monitoring.

#### **PACKING**

Our patented glove stacking machine prepares gloves ready for immediate packing. This not only improves efficiency, gloves also look better with minimal crease lines.

#### **DELIVERY**

ALL containers are thoroughly inspected to ensure that they are CLEAN and in TOP CONDITION (e.g. no leaking, holes, dirt, insects, etc.) before they are used to ship any products.

Only Grade A containers are accepted.

#### **FINAL INSPECTION**

A final inspection is conducted for every shipment and for every product type.

These include Watertight Tests, Visual Tests, Dimension Tests, Quantity per Packing Unit, Particulate Tests, etc.



# **Product Range**

## 4.0 Mil - Latex Powdered

Suitable for use in low to moderate risk settings, our USP grade powdered latex gloves are lightly powdered and evenly distributed. They are effective for perspiration absorption, giving you a comfortable and dry feel. They possess a smooth surface for greater tactile sensitivity.

Physical Dimensions					
Glove Length (mm)	≥ 240				
Thickness (mm)					
- Palm (palm centre)	0.11 (± 0.03)				
- Finger (13 ±3mm from tip)	0.13 (± 0.03)				



#### **Physical Properties**

Before Aging			
Force At Break	Elongation		
≥ 6N	≥ 18 Mpa	≥ 650%	

After Aging				
Force At Break	Tensile Strength	Elongation		
≥ 6N	≥16 Mpa	≥ 500%		

**( E** AQL1.5

## 4.5 Mil - Latex Powder Free

Suitable for use in moderate risk settings; enjoy comfortable wear, durable protection, a secure grip, and tactile sensitivity all in one glove. The Glove features a textured surface for that added handling precision. It is suitable for general nursing activities, dental examinations and food preparation.

Physical Dimensions				
Glove Length (mm)	≥ 240			
Thickness (mm)				
- Palm (palm centre)	0.11 (± 0.03)			
- Finger (13 ±3mm from tip)	0.12 (± 0.03)			

## **Physical Properties**

Before Aging				After Aging	9
Force At Break	Tensile Strength	Elongation	Force At Break	Force Tensile At Break Strength	
≥ 6N	≥ 18 Mpa	≥ 650%	≥ 6N	≥16 Mpa	≥ 500%





### 5.0 Mil - Latex Powdered

Suitable for use in moderate to high risk settings. Enjoy comfortable, durable protection and tactility all in one glove. Also comes with USP grade absorbable dusting powder. Popular for general nursing activities and dental examinations.

Physical Dimensions					
Glove Length (mm)	≥ 240				
Thickness (mm)					
- Palm (palm centre)	0.12 (± 0.03)				
- Finger (13 ±3mm from tip)	0.13 (± 0.03)				

### **Physical Properties**

Before Aging				After Aging	9
Force At Break	Tensile Strength	Elongation	Force At Break	Elongation	
≥ 6N	≥ 18 Mpa	≥ 650%	≥ 6N	≥16 Mpa	≥ 500%

**( E** AQL1.5

## 9.0 Mil - Latex Polymer Coated EMS

Suited to its name 'Emergency Medical Service (EMS)', the extended cuff length of the 9.0 mil latex polymer coated EMS gives you added protection against high risk emergency applications or greater physical and chemical challenges. Suitable for a variety of uses in the hospital or laboratory with high risk settings, it is a clean glove that provides excellent barrier protection due to its strength and elasticity.

Physical Dimensions					
Glove Length (mm)	≥ 280				
Thickness (mm)					
- Palm (palm centre)	0.23 (± 0.04)				
- Finger (13 ±3mm from tip)	0.28 (± 0.04)				

#### **Physical Properties**

Before Aging				After Aging	9	
Force At Break	Tensile Strength	Elongation	Force At Break	Force Tensile At Break Strength		
≥ 6N	≥ 18 Mpa	≥ 650%	≥ 6N	≥16 Mpa	≥ 500%	

# Glove Selection Quick guide

Applications	Latex PD 4.0 Mil	Latex PF 4.5 Mil	Latex PD 5.0 Mil	Latex PC 9.0 Mil
General nursing care, medical examination, patient treatment	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>~</b>
Handling of infected items, replacement of medical dressings	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
Blood sample collection, laboratory testing	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>
General home care, residential care, aged care	<b>✓</b>	<b>~</b>	<b>~</b>	<b>✓</b>
For activities where superior grip and tactility are required	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>

## Our Promise to You

Quality, Excellence and Innovation are the hallmarks of the MUN's business philosophy; essential values that have shaped our commitment to be a world class manufacturer, producing first class gloves.

Dogulatani				Test	Compliance			
Regulatory Compliance	Class	Certified Body	Standard		4.0 Mil Powdered	4.5 Mil Powder Free	5.0 Mil Powdered	9.0 mil EMS
MDD 93/42/EEC	Class I	N/A	EN 455-1:2000	Watertight Test	<b>~</b>	<b>~</b>	~	<b>✓</b>
			EN 455-2:	Physical Properties • FAB	~	<b>~</b>	~	<b>~</b>
			2009+A1:2011	Dimension Test	<b>✓</b>	<b>✓</b>	~	<b>✓</b>
			EN 455-3:2006	Powder Residue Test	<b>~</b>	<b>✓</b>	~	<b>✓</b>
			EN 455-3:2006	Protein Content Test	~	~	~	<b>~</b>
US FDA	Class I	FDA (510k	ASTM D3578- 05(2010)	Watertight Test	<b>~</b>	~	~	~
		submission)		Physical Property Test • Tensile Strength • Elongation at Break	<b>~</b>	<b>✓</b>	<b>~</b>	✓ ✓
				Dimension Test	<b>✓</b>	✓	<b>✓</b>	<b>✓</b>
				Powder Residue Test	~	<b>✓</b>	<b>~</b>	<b>✓</b>
				Protein Content Test	✓	<b>✓</b>	✓	<b>✓</b>
				Antigenic Protein Test	_	_	_	_
			ASTM D7160-05	Accelerated Stability Test	_	_	~	_
			ASTM D7161-05	Real Time Stability Study	_	-	~	_
Biocompatibility	N/A	N/A	ISO 10993-10:2010	Dermal Sensitization Assay	~	~	~	~
				Primary Skin Irritation	~	~	~	<b>~</b>
Australian Standard	Class I	Standard Australia	AS/NZS 4011:2014	Watertight	~	~	~	~
				Dimension	~	~	~	<b>✓</b>
				Size	~	<b>✓</b>	~	<b>✓</b>
				Length	~	<b>✓</b>	~	<b>✓</b>
				Thickness	~	<b>✓</b>	~	<b>✓</b>
				Physical Properties	~	<b>✓</b>	~	<b>,</b>

At MUN, we are committed to setting the highest standards in the industry. We ensure that our gloves excel in all different international health standards while we constantly innovate and deliver new products to the market – a signature of excellence we take pride in.



## Distributed by:

Mun Australia Pty Ltd Suite 305, 51 Rawson Street Epping, NSW 2121, Australia

T: 1800 456 837 (GLOVES)
E: info.au@munglobal.com
W: www.munglobal.com