



**PROTECTIVE INDUSTRIAL PRODUCTS**

# 63-332 Specification Sheet

## DISPOSABLE NITRILE

### PRODUCT DESCRIPTION:

Nitrile gloves, industrial grade, powdered, 4 mil, textured grip.

- Made from component materials which comply with Federal regulations for food contact. 21CFR, 170-199;
- Contains no natural rubber latex proteins;
- Ambidextrous;
- Economical puncture resistance with great comfort, dexterity and tactile sensitivity;
- Silicone free.

### Applications:

A very versatile glove for use in a broad range of applications for light hand protection from liquids, chemicals and debris.

### TECHNICAL DATA:

**Material:** Nitrile

**Color:** Blue

**Available Sizes:** XS - XXL

**Packaging:** 100 pcs per inner; 10 inners per carton (1,000 pcs)

**Case Dimensions (cm):** 26.5 X 25.5 X 36.8  
(in): 10.4 x 10.0 x 14.5

**Case Weight:** (XS) 14.3 lbs / 6.5 kg (L) 17.0 lbs / 7.7 kg  
(S) 16.0 lbs / 7.3 kg (XL) 18.0 lbs / 8.2 kg  
(M) 16.0 lbs / 7.3 kg (XXL) 20.7 lbs / 9.4 kg

**AQL Level:** 4.0

**Manufacturer Certifications:** ISO 9002 certified

**Country of Origin/Harmonization Code:** China/4015.19.1010



### DIMENSIONS:

Size Available	XS	S	M	L	XL	XXL
Over Length (cm) $\pm 0.5$ -A (in)	24.0 9.4	24.0 9.4	24.0 9.4	24.0 9.4	24.0 9.4	24.0 9.4
Palm Width (cm) $\pm 0.5$ -B (in)	7.5 3.0	8.5 3.3	9.5 3.7	10.5 4.1	11.5 4.5	12.0 4.7

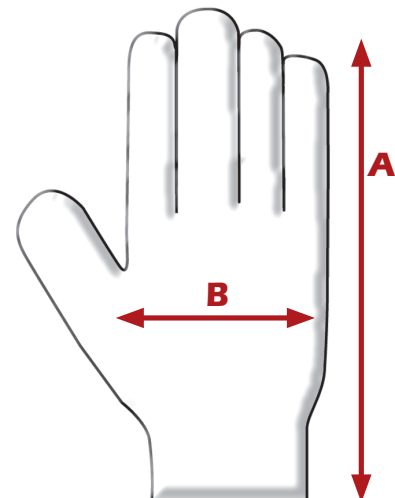
Palm Thickness	0.10 mm
Cuff Thickness	0.08 mm
Finger Tip Thickness	0.12 mm

### ELONGATION INFORMATION:

Before Aging		After Accelerated Aging	
Tensile Strength (minimum)	Elongation (minimum)	Tensile Strength (minimum)	Elongation (minimum)
(Mpa)	%	(Mpa)	%
14	500	14	400

### BARCODE # DISPENSER BOX CASE

63-332/XXL	616314021183	02616314021183
63-332/XL	616314004872	02616314004872
63-332/L	616314004865	02616314004865
63-332/M	616314004858	02616314004858
63-332/S	616314004841	02616314004841
63-332/XS	616314021176	02616314021176



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### Permeation performance levels

Permeation defined - permeation is a process by which a chemical can pass through a protective barrier (e.g. glove) without going through visible openings, such as pores. Thus molecules of the chemical enter the barrier and "wriggle" through by passing between the molecules of the glove compound. In many cases the permeated material may appear unchanged to the human eye.

Permeation performance levels are assessed by measuring the time for a chemical to breakthrough the glove material. Samples, cut from the palms of the gloves are placed in a permeation cell which enables the chemical to be placed in contact with the outer surfaces of the gloves. Our CMIG laboratories are equipped with different measuring instruments to detect any chemical (e.g. solvents, acids, alkalis and salts) that has broken through to the inside surface of the glove sample.

The breakthrough time tests are carried out for up to eight hours, according to EN374.

Permeation performance level and breakthrough time

Level	x	0	1	2	3	4	5	6
Times	no test	< 10 mins	> 10 mins	> 30 mins	> 60 mins	> 120 mins	> 240 mins	> 480 mins

CHEMICAL	CAS #	PERMEATION BREAKTHROUGH	EN LEVEL
Acetone .....	67-64-1 .....	NR.....	0
Benzene .....	71-43-2 .....	NR.....	0
Butadiene .....	106-99-0 .....	< 10 min .....	0
Ethylene Oxide .....	75-21-8 .....	< 10 min .....	0
Methanol.....	67-56-1 .....	NR.....	0
Propylene Oxide.....	75-56-9 .....	NR.....	0
Styrene .....	100-42-5 .....	NR.....	0
THF.....	109-99-9 .....	< 5 min .....	0

NR = Not Recommended

*\* NOTE: This chemical resistant data is presented as a guide ONLY. This does not consider permeability of glove, chemical combinations, temperature, length of time that glove is in contact with the chemical and thickness of glove. These factors will alter or affect the performance of glove. Recommend actual on-the-job testing of glove.*

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