



TECHNICAL DATA SHEET.

12" Cleanroom Nitrile glove

Description

Cleanroom Nitrile Gloves are ambidextrous, with a beaded cuff which has been designed for extra protection. The textured surface and enhanced grip makes these nitrile gloves ideal for handling delicate items. Our gloves are powder and latex free, assisting in reducing the risk of an allergic reaction.

Features and Benefits

- Class 100
- 100% Nitrile Butadiene Rubber
- Length: ≥280mm / 12 inch
- Powder free and latex free
- Beaded cuff with textured fingers
- White
- 3 year shelf life from manufacture

Technical Data

Material

Acrylonitrile, Butadiene

Attribute; (units)	Value **
Surfac	Finger textured
Color	White
Length	≥280mm
Tensile strength	14 Mpa
Elongation	400%
Packing style	100 pcs per bag 10 bags per carton (1000 pcs in total)
Liquid Particle Counts (as determined by IES-RP-C005.4)	≤300 particle counts cumulative at ≥ 0.3micron
ESD Parameters (ASTM D-257)	Surface Resistance - ≤10E10 Ohms/sq.
Dimension Criteria	Length: 300 ± 10 mm Palm Width: 70-80-95 110-120 mm

Cleanroom Environment

- ISO Class 5 – 8
- Class 100 – 100,000

Shelf Life

- Non-Sterile (Dry) – 3 years from date of manufacture
- Sterile – 2 years from the date of manufacture

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12" Cleanroom Nitrile glove

Document No. BJ-0022

BASIC INFORMATION

1	Name	Nitrile gloves
2	Material	Acrylonitrile, Butadiene
3	Model	class 100 ; 12 inches ; finger textured
4	Coloe	White
5	Packing	100pcs/bag 10bags/carton

DIMENSIONS AND TOLERANCES

	Size	Unit	Length	Width	Single Thickness(min)
	S	mm	285±10	80±10	
	M	mm	285±10	95±10	Wrist≥0.05 Palm≥0.07
	L	mm	285±10	110±10	Finger ≥0.10
	XL	mm	285±10	120±10	

TENSILE PROPERTIES

No	Performance	Unit	Technical
1	Breaking strength	MPa	15
2	Elongation	%	500

VISUAL INSPECTION

No	Performance	Unit	Technical
1	Appearance	/	Appearance should be clean, free of cracks and holes

CLEAN PERFORMANCE

No	Performance	Technical
1	Particle :APC: $\geq 0.5\mu m$	$\leq 100/cfm^3$
2	Misula Defects (Torn, Sticky, Dirty, Lump and discolored, mixed color, type and sizes, foreign	Visual inspection Z D S (Zero Defect sampling)

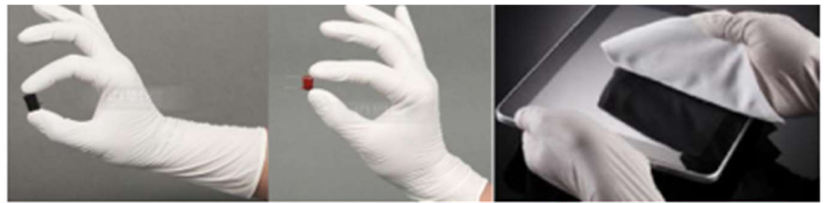
SCOPE OF USE

1. Clean room
2. Where the user considers it appropriate

EXPLANATION:

1. Non-sterile, cannot be used in places where sterilization is required.
2. Can come into contact with alcohol Need to be replaced every 1-2 hours), but Gloves cannot be soaked in alcohol.
3. Cannot be used in chemicals or chemical sites.
4. If the gloves have been stored for more than 3 years, please test whether they have been affected by the storage environment, causing product performance to deteriorate.

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Material	100% pure Nitrile	Length	(a) Minimum 290mm
Style	Ambidextrous		(b) Minimum 230mm
Gripping	Textured finger tips	Sizes	Extra Small to 3XLarge
	Smooth surface or tacky surface	Cuff	Beaded
Colours	White, Blue and Green		

Product Code		(ASTM D3578 / D6319 standards)		
(a) Min 290mm	(b) Min 230mm	Size	Width (mm)	Average thickness
ADM3100	ADM3200	XS	75 ± 5	Cuff: 0.08 mm
ADM3101	ADM3201	S	85 ± 5	Palm: 0.10mm
ADM3102	ADM3202	M	95 ± 5	Finger: 0.14mm
ADM3103	ADM3103	L	105 ± 5	
ADM3104	ADM3104	XL	115 ± 5	
ADM3105	ADM3105	XXL	120 ± 5	
ADM3106	ADM3106	XXXL	125 ± 5	

Physical Specification (ASTM D6319 / ASTM D412standards)	
Tensile Strength (MPa)	>14.0
Elongation at break (%)	> 500

ESD Specification @ 45-55% Humidity (ANSI/ESD-STM11.11 / ASTM D257 / FTM Std 101C standards)	
Surface Resistivity (Ohm / sq)	<= 9.9 x 10 ¹⁰
Decay Time (in seconds)	<= 0.5
Tribo Charge (volt)	<= 20

Cleanliness Specification IEST-RP-CC005.3 standards)		
Test	Spec	Unit
Particle Count (0.5 - 20 micron, cum)	< 2500	count/cm2
Flouride	< 0.050	ug/cm2
Chloride	<1.500	ug/cm2
Nitrite	< 0.050	ug/cm2
Bromide	< 0.050	ug/cm2
Nitrate	< 1.000	ug/cm2
Phosphate	< 0.050	ug/cm2
Sulphate	< 1.000	ug/cm2
Non Volatile Residue (DI water)	< 5.000	ug/cm2
No visible discoloration		

Packaging 100 gloves per one HDPE x 10 bags per carton
Double-bagged and vacuum-sealed

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Notes:

- 1) Valid product comparisons may only be obtained through side-by-side testing in the same test facility, under similar conditions.
- 2) The information presented here is applicable to the part numbers shown above, as well as to any product containing the same materials and produced under the same conditions.
- 3) Size can be customized according to customer requirements.
- 4) Stacked, Bulk and Folded method can be customized according to customer requirements.

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