



# NITRILE Cleanroom Glove CLD

Cleanroom ISO Class 4 usable

CLD nitrile glove is a high end product with very low particle and extractable levels. It is a glove meant for use with products that are susceptible to particle and chemical contamination including static electricity sensitivity.

This glove is manufactured using a proprietary compounding process and blend that makes the gloves soft and flexible. This allows for better fit and comfort for long-term use.

This glove is commonly used in applications requiring a very clean glove such as wafer fabrication, disk drives, semiconductor, biotechnology and electronics device manufacturing, among others. It is often, more often than not, used in facilities where latex sensitivities problem exist or where electrostatic discharge (ESD) requirements preclude the use of natural rubber latex CR gloves.

**Material:** 100% Nitrile Polymer, powder free  
Without plasticizers, contain no phthalates esters, silicone oil and amide.  
Gloves are ambidextrous and have beaded cuff. All gloves have textured fingers for better grip.

**Process:** Laundered using 0.1 micron filtered high resistivity D.I. water and packed in a ISO class 4 certified cleanroom

**Colour:** White

## **Sizes / article numbers / prices:**

Size	Length (mm)	Palm (width)	Thickness palm	Article-no.:
S	min. 290	85 +/- 5 mm	0,12 +/- 0,02 mm	HSNITR10WS
M	min. 290	95 +/- 5 mm	0,12 +/- 0,02 mm	HSNITR10WM
L	min. 290	105 +/- 5 mm	0,12 +/- 0,02 mm	HSNITR10WL
XL	min. 290	115 +/- 5 mm	0,12 +/- 0,02 mm	HSNITR10WXL
XXL	min. 290	120 +/- 5 mm	0,12 +/- 0,02 mm	HSNITR10WXXL

Packaging unit (PU): 1000 pcs ( 10 bags a`100 pcs)

## **Physical properties (ASTM D6319):**

Tensile strength: > min. 14 MPa

Elongation at break: > 500%



## NITRILE Cleanroom Glove CLD

### Cleanliness of gloves (IEST-RP-CC005.4):

Particle counts (0,5 – 20µm)	< 400 (count per cm <sup>2</sup> )
------------------------------	------------------------------------

Ionic contents (µg/cm <sup>2</sup> )	Specification (µg/cm <sup>2</sup> )
Chloride	< 0,100
Nitrite	< 0,005
Bromide	< 0,020
Fluoride	< 0,005
Phosphate	< 0,005
Sulphate	< 0,020
Nitrate	< 0,100
Non volatile residue (DI water)	< 1,000

### ESD Specification:

ESD specification @ RH 45-55%, Temp. 20-26°C (Ref: ANSI/ESD-STM11.11 & ANSI/ESD SP15.1)		
Surface resistivity (ohm/sq)	Decay time (sec.)	Tribo charge (volt)
≤ 10 <sup>10</sup>	≤ 0,5	≤ 20

### Storage:

Store in cool dry place away from direct sunlight or exposed to ozone releasing equipment. Whenever possible, please store in original unopened packaging.

**hans j. michael gmbh**

Gewerbegebiet Hart 11, D-71554 Weissach i.T., Phone: 0049-7191-9105-0, Fax: 0049-7191-9105-19  
e-mail: [office@hjm-reinraum.de](mailto:office@hjm-reinraum.de), website: [www.cleanroom-hjm.com](http://www.cleanroom-hjm.com)