



## Empfohlene

## Reinraumklassen

ISO 3|4|5|6|7|8|9

GMP C|D

## Nitril-Handschuhe CELOS Glove 1.11

pure<sup>11</sup>-Nr.: 1130131, Marke: CELOS

### Eigenschaften

- Marke: CELOS
- Handschuhtyp: Dünnsfilm
- Länge in cm: 30 cm
- Puderfrei
- Material: Nitril
- Texturierte Fingerspitzen
- Lebensmittelkonformität
- Silikonfrei
- Vulkanisationsbeschleunigerfrei
- Verpackungsform: Beutel
- Antistatisch
- AQL (Acceptable Quality Level)-Wert: 1,5
- Im Reinraum hergestellt
- Länge in Inches: 11,8 In
- Latexfrei
- Materialzusammensetzung: Reinmaterial
- Oberflächenbeschaffenheit: griffig
- Reißfestigkeit EN 455-2 ASTM in MPa: 20-30
- Rollrand

- Schutz vor Blut und Körpersekreten ISO 16604:2004
- Passform Hand: beidhändig
- Wandstärke Mittelfinger in mm: 0,12 mm

### Material

- Nitril

### Verpackung

- 1000STK

## Produktvarianten

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### **pure<sup>11</sup>-Nr.: 1130131WHXS, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: XS / VE: 1000STK

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### **pure<sup>11</sup>-Nr.: 1130131WHL, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: L / VE: 1000STK

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### **pure<sup>11</sup>-Nr.: 1130131WHM, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: M / VE: 1000STK

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### **pure<sup>11</sup>-Nr.: 1130131WHS, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: S / VE: 1000STK

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### **pure<sup>11</sup>-Nr.: 1130131WHXL, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: XL / VE: 1000STK

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### **pure<sup>11</sup>-Nr.: 1130131WHXXL, Nitril-Handschuhe CELOS Glove 1.11**

Farbe: Weiß; Größe: XXL / VE: 1000STK

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## Cleanroom Nitrile CELOS® Glove 1.11

### Product information:

|                       |                                                                                                                    |
|-----------------------|--------------------------------------------------------------------------------------------------------------------|
| <i>Material</i>       | 100 % pure nitrile                                                                                                 |
| <i>Process</i>        | Laundered with 0.1 micron filtered high resistivity DI water and packed in certified cleanroom environment - ISO 4 |
| <i>Application</i>    | Cleanroom glove for highest cleanliness requirements                                                               |
| <i>Length</i>         | 300 mm                                                                                                             |
| <i>Palm Thickness</i> | 0.10 mm (+/- 0.02 mm)                                                                                              |
| <i>Color</i>          | Natural white                                                                                                      |
| <i>AQL</i>            | 1.5                                                                                                                |

### Product:

| <i>Part number</i> | <i>Variant</i>                             | <i>Style</i> | <i>Size</i>                    | <i>Inner packaging</i> | <i>Quantity per case</i> |
|--------------------|--------------------------------------------|--------------|--------------------------------|------------------------|--------------------------|
| <b>1130131</b>     | WHXS<br>WHS<br>WHM<br>WHL<br>WHXL<br>WHXXL | Non-sterile  | XS<br>S<br>M<br>L<br>XL<br>XXL | 100 pcs/bag            | 10 bag/case              |

### Characteristics:

- Glove of newest generation
- Ambidextrous
- Silicone and latex free
- Unique fit and textured fingertips
- Reduced allergy risk
- High tackiness for great grip
- Without plasticizers, phthalates, silicone oil and amide
- No sulphur, accelerator and zinc added during compounding process
- Cleanroom produced and packaged

### Performance parameter:

|           |                               | <i>Specification</i> | <i>Unit</i>        |
|-----------|-------------------------------|----------------------|--------------------|
| Fluoride  | F <sup>-</sup>                | < 0.005              | µg/cm <sup>2</sup> |
| Chloride  | Cl <sup>-</sup>               | < 0.10               | µg/cm <sup>2</sup> |
| Nitrite   | NO <sub>2</sub> <sup>-</sup>  | < 0.005              | µg/cm <sup>2</sup> |
| Nitrate   | NO <sub>3</sub> <sup>-</sup>  | < 0.10               | µg/cm <sup>2</sup> |
| Phosphate | PO <sub>4</sub> <sup>3-</sup> | < 0.005              | µg/cm <sup>2</sup> |
| Sulphate  | SO <sub>4</sub> <sup>2-</sup> | < 0.020              | µg/cm <sup>2</sup> |

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## Cleanroom Nitrile CELOS® Glove 1.11

### Physical and Chemical Properties:

|                                  | Specification      | Unit                   |
|----------------------------------|--------------------|------------------------|
| Tensile Strength                 | ≥ 14               | MPa                    |
| Elongation                       | ≥ 400              | %                      |
| Particle count LPC (0.5 - 20 µm) | < 400              | counts/cm <sup>2</sup> |
| NVR (DI water)                   | < 1.00             | µg/cm <sup>2</sup>     |
| Silicone Oil, Amide, DOP         | Absent             | -                      |
| Surface resistivity              | ≤ 10 <sup>10</sup> | ohm/sq                 |
| Static Decay time                | < 0.5              | seconds                |
| Tribo Electric Charge            | < 20               | volts                  |

### Performance Parameter

#### 1. Permeation

| Test chemicals           | Code | Sample 1              | Sample 2              | Sample 3              |
|--------------------------|------|-----------------------|-----------------------|-----------------------|
|                          |      | Breakthrough<br>[min] | Breakthrough<br>[min] | Breakthrough<br>[min] |
| N-heptane                | J    | 38                    | 36                    | 33                    |
| Hydrogen peroxide (30 %) | P    | > 480                 | > 480                 | > 480                 |
| Formaldehyde (37 %)      | T    | 34                    | 45                    | 100                   |
| Sodium hydroxide (40 %)  | K    | > 480                 | > 480                 | > 480                 |
| Ethanol (70 %)           | -/-  | 13                    | 10                    | 18                    |
| 2-Propanol (70 %)        | -/-  | 41                    | 53                    | 63                    |
| Hydrochloric acid (30 %) | -/-  | 407                   | 315                   | 341                   |
| Sulfuric acid (50 %)     | -/-  | > 480                 | > 480                 | > 480                 |

#### 2. Degradation

| Test chemicals          | Code | Degradation | Standard deviation |
|-------------------------|------|-------------|--------------------|
|                         |      | [%]         | [%]                |
| N-heptane               | J    | 33.62       | 11.56              |
| Hydrogen peroxide (30%) | P    | 11.62       | 10.72              |
| Formaldehyde (37%)      | T    | - 2.79      | 12.02              |
| Sodium hydroxide (40%)  | K    | - 31.51     | 15.49              |

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