



Nitrile Gloves, Powder-Free

Art. No 290481-290485

Classic

**Nitrile Glove, Powder-Free, Sensitive
Black**



Description

Examination gloves Nitrile (Nitrile Butadiene Rubber)

Powder-Free

Non-sterile

Black

Micro-textured fingertips

With rolled cuff

Suitable for food handling

Produced for Abena A/S, Denmark, in Malaysia under ISO 9001, ISO 13485 and ISO 14001

CE

Dual CE-labelled according to EU directive 93/42/EEC and EU directive 89/686/EEC / PPE Regulative EU2016/425, Type C certification from April 2019

Class I and CAT III

AQL 1.5 according to the requirements in the harmonised standard EN 455-1

Standards

EN 455-1, 2, 3 & 4

EN 374-1:2016

EN 374-2:2015

EN 374-3:2003

EN16523:2015

EN 374-4:2013

EN 374-5:2016 VIRUS

EN 420:2003 + A1:2009

ASTM D6978-05

ASTM D 6319-10

ASTM F 1671

Thickness

Palm 0.06 mm (+/- 0.02)

Fingers 0.08 mm (+/- 0.02)



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Storage and handling

Storage: 5-40°C

Handling: Avoid heat, humidity, direct sunlight and ozone

Shelf life: 5 years from production date

Physical properties

Force at break

| | |
|---|----------|
| Before challenge testing | 6 Newton |
| After challenge testing at 70°C for 166 hours | 6 Newton |
| Through shelf life | 6 Newton |

Elongation

| | |
|---|-----------|
| Before challenge testing | min. 500% |
| After challenge testing at 70°C for 166 hours | min. 400% |

All time of durability

6 Newton

Tests performed

Air and Water Leak Test

Sensitization test

Irritation test

Cytotoxicity

Residual chemicals

Force at break

Bioburden

Penetration

Powder residuals

Viral penetration

Bacteria and fungi test

Food approval (please see separate food datasheet)

Chemical and cytostatic permeation (see list of results below in this datasheet)

Composition

| Chemical | CAS |
|---------------------|------------|
| Nitrile | 9003-18-3 |
| Potassium Hydroxide | 1310-58-3 |
| Zinc oxide | 1314-13-2 |
| ZDEC | 14324-55-1 |
| ZDBC | 136-23-2 |
| Sulphur | 7704-34-9 |
| Titanium Dioxide | 13463-67-7 |
| Anti-oxidant | 68610-51-5 |
| Chlorine | 7782-50-5 |
| Black colour | |



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| Chemical | CAS number | Permeation time | Level |
|--|------------|-----------------|-------|
| 2-Hydroxyethyl methacrylate 97% | 868-77-9 | 5 min. | 0 |
| Acetic acid 10% | 64-19-7 | 90 min. | 3 |
| Acetone | 67-64-1 | <1 min. | 0 |
| Ammonium Hydroxide 25% | 1336-21-6 | 6 min. | 0 |
| Chloramine-T(in klorilli solution) 0,5% | | >480 min. | 6 |
| Chloramine-T(in klorilli solution) 5-15% | | 225 min. | 4 |
| Chlorhexidine 4% | 55-56-1 | >480 min. | 6 |
| Chlorhexidine 6% | 55-56-1 | >480 min. | 6 |
| Chlorhexidine Digluconate 20% | 18472-51-0 | >480 min. | 6 |
| Diemethyl Sulphoxide 99% DMSO | 67-68-5 | 3 min. | 0 |
| Diethylamine | 109-89-7 | <1 min. | 0 |
| Dismofix K 1% | 67-68-5 | >480 min. | 6 |
| Dismofix B 1% | | >480 min. | 6 |
| Dismozon pur 1% | | >480 min. | 6 |
| Dismozon pur 4% | | >480 min. | 6 |
| Diurethane dimethacrylate | 72869-86-4 | >480 min. | 6 |
| Ethanol 1,5 % | 64-17-5 | >480 min. | 6 |
| Ethanol 35 % | 64-17-5 | <10 min. | 0 |
| Ethanol 70 % | 64-17-5 | <10 min. | 0 |
| Ethanol 99 % | 64-17-5 | <1 min | 0 |
| Ethidium bromide 0,1% | 1239-45-8 | >480 min. | 6 |
| Ethidium bromide 5% | 1239-45-8 | >480 min. | 6 |
| Formaldehyde 24,5 % | 50-00-0 | >480 min. | 6 |
| Formaldehyde 35 % | 50-00-0 | >480 min. | 6 |
| Formaldehyde 37 % | 50-00-0 | >480 min. | 6 |
| Formalin 10% | | >480 min. | 6 |
| Glutaraldehyde 1% | 111-30-8 | >480 min. | 6 |
| Glutaraldehyde 10% | 111-30-8 | >480 min. | 6 |
| Glutaraldehyde 4% | 111-30-8 | >480 min. | 6 |
| Hydrochloric acid 36% | 7647-01-0 | 28 min. | 1 |
| Hydrogen peroxide 3% | 7722-84-1 | >480 min. | 6 |
| Hydrogen peroxide 30% | 7722-84-1 | 46-60 min. | 2 |
| Isopropanol 99% | 67-63-0 | <10 min. | 0 |
| Isopropanol 40% | 67-30-0 | 143-480 min | - |
| Isopropanol 1,5 % | 67-63-0 | >480 min. | 6 |
| Kohrsolin FF 0,5 % | | >480 min. | 6 |
| Kohrsolin extra 0,5% for glutaraldehyde | | >480 min. | 6 |
| Kohrsolin extra 0,5% for alcohols | | >480 min. | 6 |
| Korsolex extra 4 % for glutaraldehyde | | >480 min. | 6 |
| Korsolex extra 4 % for alcohols | | >480 min. | 6 |
| Korsolex plus 3% | | >480 min. | 6 |
| Korsolex med AF 1% | | >480 min. | 6 |



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| | | | |
|---|------------|-----------|---|
| Mikrobac Tissues | | >480 min. | 6 |
| n-Hexane | 142-82-5 | <1 min | 0 |
| n-heptane | 142-82-5 | <12 min. | 1 |
| Peracetic acid 38-40% | 79-21-0 | 5 min. | 0 |
| Potassium Carbonate 35% | 584-08-7 | >480 min. | 6 |
| 1-Propanol | 71-23-8 | 3.98 min. | 0 |
| Rely+On™ Virkon® (Solution of potassium Peroxymonosulphate) | 70693-62-8 | >480 min. | 6 |
| Sodium hydroxide 40% | 1310-73-2 | >480 min. | 6 |
| Sodium Hypochlorite 5 % | 7681-52-9 | >480 min. | 6 |
| Sodium Percarbonate 20% | 15630-89-4 | >480 min. | 6 |
| Triethylene glycol dimethacrylate 95% | | 5.90 min. | 0 |

Cytostatica

| | | | |
|-------------------------------------|--|------------|---|
| Bortezomib 1.000 ppm | | >480 min. | 6 |
| Carmustine 3.300 ppm | | 59-75 min. | 2 |
| Cyclophosphamide 20.000 ppm | | >480 min. | 6 |
| Cytarabine 100.00 ppm | | >240 min. | 5 |
| Doxorubicin Hydrochloride 2.000 ppm | | >480 min. | 6 |
| Epirubicin 2.000 ppm | | >480 min. | 6 |
| Etoposide 20.000 ppm | | >480 min. | 6 |
| Flurouracil 50.000 ppm | | >480 min. | 6 |
| Gemcitabine(Gemzar) 38.000 ppm | | >480 min. | 6 |
| Irinotecan 20.000 ppm | | >480 min. | 6 |
| Methotrexate 25.000 ppm | | >240 min. | 5 |
| Oxaliplatin 5.000 ppm | | >480 min. | 6 |
| Paclitaxel (taxol) 6.000 ppm | | >480 min. | 6 |
| Thio-Tepa 10.000 ppm | | >480 min. | 6 |

Antibiotic

| | | | |
|--------------------------|--|-----------|---|
| Cefuroxim 90.000 ppm | | >480 min. | 6 |
| Dicloxacillin 10.000 ppm | | >480 min. | 6 |
| Gentamicin 40.000 ppm | | >480 min. | 6 |

Test method used: EN 374-3, EN16523-1:2015 and ASTM D6978-05



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| Art. no. | Product | Size | Palm mm | Length mm (+/-5) | Quantity Dispenser/carton |
|----------|---------|------|---------|------------------|---------------------------|
| 290481 | X-small | 5-6 | 70-81 | 240 | 100/1000 |
| 290482 | Small | 6-7 | 81-90 | 240 | 100/1000 |
| 290483 | Medium | 7-8 | 90-100 | 240 | 100/1000 |
| 290484 | Large | 8-9 | 100-110 | 240 | 100/1000 |
| 290485 | X-Large | 9-10 | 110-120 | 240 | 100/1000 |