



# Nitrile gloves, powder-free

**Art. No.**  
**290423, 3958-3961,**  
**3945**



## **Description**

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Examination gloves Nitrile (Nitrile Butadiene Rubber)  
Powder-free  
Non-sterile  
Blue  
Micro-textured fingertips  
With rolled cuff  
Produced for Abena A/S, Denmark, in Malaysia under ISO 9001  
Can be autoclaved  
Approved for food handling

## **CE**

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Dual CE-labelled according to EU directive 93/42/EEC and EU directive 89/686/EC  
Class I and CAT II  
AQL 1.5 according to the requirements in the harmonised standard EN 455-1

## **Standards**

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EN 455-1, 2, 3 & 4  
EN 374-1 (excluding clause 5.3)  
EN 374-2  
EN 374-3 (test method used for the test on chemicals listed below in this datasheet)  
EN 388 (0,0,0,0)



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## Physical properties

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Force at break	
Before challenge	9 Newton
After challenge testing at 70°C for 166 hours	6 Newton
Through shelf life	9 Newton

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

## Thickness

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Palm	0.09 mm (+/- 0.02)
Fingers	0.12 mm (+/- 0.02)
Cuff	0.07 mm (+/- 0.02)
Weight medium	4,70 gr. (+/- 0,4)

## Tests performed

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Sensibilisation test  
Irritation test  
Cytotoxicity  
Residual chemicals  
Force at break  
Microbiology  
Penetration  
Powder residuals  
Virus penetration  
Food approval (please see separate food datasheet)  
Chemical and cytostatica permeation (see list of results below in this datasheet)

## Composition

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Chemical	CAS
Nitrile	-
Titanium dioxide	13463-67-7
Zinc oxide	1314-13-2
Sulphur	7704-34-9
ZDBC	136-23-2
Ammonium	1336-21-6
Antioxidant	68610-51-5
Calcium stearate	1592-23-0
Calcium nitrate	10124-37-5
Chlorine	7782-50-5
T2227 blue	111-46-6
PL 1508 blue	147-14-8



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Chemical	CAS number	Permeation time	Class
2-Hydroxyethyl methacrylate		20 min.	2
Acetic Acid 10%		241 min.	5
Acetonitrile >99%	75-05-8	<1 min.	0
Benzoyl peroxide		>240 min.	5
Citric Acid 15%		>480 min.	6
Dichloromethane >99%	75-09-2	<1 min.	0
Diethylamine		1 min.	0
Diurethane dimethacrylate		>240 min.	5
Ethanol 35 %		>480 min.	6
Ethanol 70 %		>480 min.	6
Ethidium bromide 0,1%		>480 min.	6
Ethidium bromide 1%		>480 min.	6
Ethyl Acetate >99%	141-78-6	<1 min.	0
Formaldehyde 35 %		>480 min.	6
Formaldehyde 4%		>480 min.	6
Formalin		406 min.	5
Glutaraldehyd 1%		>480 min.	6
Hexane		>480 min.	6
Hydrogen peroxide 3%		>480 min.	6
Isopropanol		>480 min.	6
Klorhexidine 4%		>480 min.	6
Methyl methacrylate		< 1 min.	0
Natrium hydroxide		>480 min.	6
n-heptane		7 min.	0
n-Propanol		4 min.	0
Perchlor acid 70 %		92 min.	3
Petroleum – distilled		6 min.	0
Phenol 90%		9 min.	0
Sodium carbonate 5%		>480 min.	6
Sulphuric acid 96%		7 min.	0
Tri(ethylene glycol) dimethacrylate		23 min.	2
Xylene >99%	95-47-6	<1 min.	0
<b>Cytostatica</b>			
5-Flourouracil – 50.000 ppm		>480 min.	6
Carmustine 3.300 ppm		136,60 min.	3
Cisplatin 1.000 ppm		>480 min.	6
Cyclophosphamide 20.000 ppm		>480 min.	6
Dacarbazine 10.000 ppm		>480 min.	6
Doxorubicin Hydrochloride 2.000 ppm		>480 min.	6



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Etoposide 20.000 ppm	>480 min	6
Methotrexate 25.000 ppm	>480 min.	6
Mitomycin C 500 ppm	>480 min.	6
Paclitaxel (taxol) 6.000 ppm	>480 min.	6
Thio-Tepa 10.000 ppm	>480 min.	6
Vincristine sulfate 1.000 ppm	>480 min.	6
<b>Antibiotica</b>		
Cefuroxim 15.000 ppm	>480 min.	6
Dicloxacilin 10.000 ppm	>480 min.	6
Gentamicin 1.200 ppm	>480 min.	6

Test method used: EN 374-3

Art. no.	Product	Size	Palm mm (+/- 4)	Length mm (+/-5)	Cartons per pallet	Quantity Dispenser/carton
290423	X-Small	5-6	76	240	48	100/1000
3958	Small	6-7	86	240	48	100/1000
3959	Medium	7-8	98	240	48	100/1000
3960	Large	8-9	107	240	48	100/1000
3961	X-Large	9-10	115	240	48	100/1000
3945	XX-Large	10-11	124	240	48	90/900