Nitrile gloves, powder-free

Art. 290423, 3958-3961, 3945

Excellent
Nitrile Glove, Powder-free



Description

Examination gloves Nitrile (Nitrile Butadiene Rubber)
Powder-free
Non-sterile
Blue
Micro-textured fingertips
With rolled cuff
Approved for food handling
Produced for Abena A/S, Denmark, in Malaysia under ISO 9001, ISO 13485, ISO14001

CE

Dual CE-labelled according to:
Medical Device regulation EU 2017/745 Class I
PPE Regulation EU2016/425, Type B CAT III
AQL 1.0 according to the requirements in the harmonised standard EN 455-1:2022

Standards

EN 455-1:2020 +A1 2022
EN 455-2:2015
EN 455-3: 2015
EN 455-4:2009
EN ISO 374-1:2016 +A1:2018
EN ISO 374-2:2019
EN 374-3:2003
EN 16523-1:2015+A1:2018
EN ISO 374-4:2019
EN ISO 374-5:2016 VIRUS
EN ISO 21420:2020
EN 421:2010 excluding clause 4.3
ASTM D 6978-05

Thickness

Palm	0.09 mm (+/- 0.02)
Fingers	0.12 mm (+/- 0.02)

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Storage and handling

Storage: 5-40°C
Handling: Avoid heat, humidity, bright light and ozone
Shelf life: 5 years from production date

Physical properties

Force at break

Before challenge	9 Newton
After challenge testing at 70°C for 166 hours	6 Newton

Elongation

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

Tests performed

Air Leak Test and Water Leak test
Sensitization test
Irritation test
Cytotoxicity
Residual chemicals
Force at break
Penetration
Powder residuals
Bacteria and fungi
Viral penetration
Chemicals Residue test
Determination of PAHs
Food approval (please see separate food datasheet)
Chemical, cytostatica and antibiotic permeation (see list of results below in this datasheet)

Composition

Chemical	CAS
Nitrile NBR	9010-81-5
Sodium Dodecylbenzenesulfonate (SDBS)	25155-30-0
Sulphur	7704-34-9
Zinc oxide	1314-13-2
ZDBC	136-23-2
Titanium dioxide	13463-67-7
Wax Emulsion	-
Pigment	147-14-8 & 6358-30-1

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Chemical	CAS number	Permeation time	Class
1,2 dichloroethana		<1 min.	0
2-Hydroxyethyl methacrylate 97%		10 min.	1
0.5 M iodine solution	7553-56-2	>480 min.	6
2-Mercaptoethanole	60-24-2	3 min.	0
Acetic Acid 10%		241 min.	5
Acetonitrile >99%	75-05-8	<1 min.	0
Acrylamide 40%	79-06-1	>480 min.	6
Ammonia 25%	1336-32-6	13 min.	1
Chlorine 1.000 ppm		>480 min.	6
Chlorhexidine 4%	55-56-1	>480 min.	6
Chlorhexidine Gluconate 4%	18472-51-0	>480 min.	6
Citric Acid 15%		>480 min.	6
Cyclohexanol	108-93-0	68 min.	3
Dichloromethane >99%	75-09-2	<1 min.	0
Diethylamine	109-87-7	<1 min.	0
Diurethane dimethacrylate		320 min.	5
Ethanol 70 %	64-17-5	87 min.	3
Ethanol 80 %	64-17-5	15 min.	1
Ethidium bromide 1%	1239-45-5	>480 min.	6
Ethyl Acetate >99%	141-78-6	<1 min.	0
Formamide 40%	75-12-7	>480 min.	6
Formaldehyde 37% in Methanol 10%	50-00-0	>120 min.	3
Formaldehyde/Formalin 37%	50-00-0	>480 min.	6
Formic Acid 12,5%	64-18-6	240 min.	4
n-Hexane	110-54-3	>480 min.	6
Hydrochloric acid 36%	7647-01-0	140 min.	4
Hydrofluoric acid 40%	7664-39-3	6 min.	0
Hydrogen peroxide 3%	7722-84-1	>480 min.	6
Hydrogen peroxide 30%	7722-84-1	31-45 min.	2
Isopropanol 45%	67-63-0	>480 min.	6
Methanol 5%	67-56-1	>480 min.	6
Methanol 10%	67-56-1	30 min.	1
Methyl methacrylate		< 1 min.	0
Nitric acid 10%	7697-37-2	>480 min.	6
n-heptane	142-82-5	80 min.	3
n-Propanol 60%		51 min.	2
Peracetic acid 38%	79-21-0	9 min.	0
Phosphoric acid 30%	7664-38-2	>480 min.	6
Perchloric acid 70 %		92 min.	3
Petroleum – distilled		5 min.	0
Phenol 90%		9 min.	0
Potassium hydroxide 30%	1310-58-3	>480 min.	6

Povidone iodine 10%	25655-41-8	>480 min.	6
Rely+On™ Virkon® (Solution of potassium Peroxymonosulphate)	70693-62-8	>480 min.	6
Silver nitrate 10%	7761-88-8	>480 min.	6
Sodium carbonate 5%		>480 min.	6
Sodium hydroxide 40%	1310-73-2	>480 min.	6
Sulphuric acid 50%	7664-93-9	>480 min.	6
Sulphuric acid 96%	7664-93-9	8 min.	0
Tri(ethylene glycol) dimethacrylate 95%		33 min.	1
O-Xylene >99%	95-47-6	<1 min.	0
Cytostatica			
Flourouracil – 50.000 ppm		>240 min.	5
Carmustine 3.300 ppm		35 min.	2
Cisplatin 1.000 ppm		>240 min.	5
Cyclophosphamide 20.000 ppm		>240 min.	5
Dacarbazine 10.000 ppm		>240 min.	5
Doxorubicin Hydrochloride 2.000 ppm		>240 min.	5
Etoposide 20.000 ppm		>240 min	5
Methotrexate 25.000 ppm		>240 min.	5
Mitomycin C 500 ppm		>240 min.	5
Paclitaxel (taxol) 6.000 ppm		>240 min.	5
Thio-Tepa 10.000 ppm		85 min.	3
Vincristine sulfate 1.000 ppm		>240 min.	5
Antibiotica			
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 374-3:2003, EN16523-1:2015 and ASTM D6978

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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