



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+A2:2024

Standards

EN 455-1:2020+A2:2024
EN 455-2:2024
EN 455-3:2023
EN 455-4:2009
EN 455-5:2025
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
EN ISO 21171:2006
EN ISO 15223-1:2021
ASTM D 6978-05



Nitrile gloves, powder-free

Art. 290423, 3958-3961, 3945

Thickness

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

Storage and handling

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	-



Nitrile gloves, powder-free

Art. 290423, 3958-3961, 3945

Pigment	147-14-8 & 6358-30-1
----------------	-------------------------

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
Isopropanol 60%	67-63-0	31 min.	-
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	71-23-8	6 min.	0
n-Propanol 60%		51 min.	2
Peracetic acid 38%	79-21-0	9 min.	0
Phosphoric acid 30%	7664-38-2	>480 min.	6



Nitrile gloves, powder-free

Art. 290423, 3958-3961, 3945

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

Bleomycin Sulfate	9041-93-4	>240 min	5
Bortezomib	179324-69-7	>240 min	5
Busulfan	55-98-1	>240 min	5
Carboplatin	41575-94-4	>240 min	5
Carmustine (BCNU)	154-93-8	10 min	1
Chloroquine	54-05-7	>240 min	5
Cisplatin	15663-27-1	>240 min	5
Cyclophosphamide (Cytosan)	50-18-0	>240 min	5
Cyclosporin A	59865-13-3	>240 min	5
Cytarabine	147-94-4	>240 min	5
Dacarbazine (DTIC)	4342-03-4	>240 min	5
Daunorubicin HCl	23541-50-6	>240 min	5
Docetaxel	114977-28-5	>240 min	5
Doxorubicin Hydrochloride	25316-40-9	>240 min	5
Epirubicin HCl	56390-09-1	>240 min	5
Etoposide (Toposar)	33419-42-0	>240 min	5
Fludarabine	21679-14-1	>240 min	5
Fluorouracil	51-21-8	>240 min	5
Gemcitabine	95058-81-4	>240 min	5
Idarubicin HCl	57852-57-0	>240 min	5
Ifosfamide	3778-73-2	>240 min	5
Irinotecan	97682-44-5	>240 min	5
Mechlorethamine HCl	55-86-7	>240 min	5
Melphalan	148-82-3	>240 min	5
Methotrexate	59-05-2	>240 min	5
Mitomycin C	50-07-7	>240 min	5
Mitoxantrone HCl	70476-82-3	>240 min	5



Nitrile gloves, powder-free

Art. 290423, 3958-3961, 3945

Oxaliplatin	61825-94-3	>240 min	5
Paclitaxel (Taxol)	33069-62-4	>240 min	5
Paraplatin (Carboplatin)	41575-94-4	>240 min	5
Retrovir (Zidovudine)	30516-87-1	>240 min	5
Rituximab	174722-31-7	>240 min	5
Thiotepa	52-24-4	30 min	2
Topotecan	123948-87-8	>240 min	5
Trisenox (Arsenic trioxide)	1327-53-3	>240 min	5
Vincristine Sulfate	2068-78-2	>240 min	5
Antibiotica			
Cefuroxim 15.000 ppm		>480 min.	6
Dicloxacinil 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

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