

Chemical Resistant Glove Vinex



EN ISO 374-1:2016
+A1:2018 Type A



AJKLMNOPT

ISO 18889:2019



G2

EN 388:2016
+ A1:2018



4101 X

EN ISO 374-5:2016



VIRUS



Description	Chemical glove with nitrile coating Length: 33 cm Wall thickness: 0,38 mm (15 mil) Surface for good grip (Reverse Lozenge) Cuff end: straight
Material	Liner: Cotton (flocklined) Coating: Nitrile
Application areas	Handling of chemicals, industry, farming (phytosanitary), household
Product benefits	Sweat-absorbing, comfortable Latex-free, suitable for allergy sufferers Structured surface for good grip Chemical and microbial resistance Food safe
Single packaging	Polybag (LDPE)
Standards	CAT III, EN 388:2016+A1:2018, EN ISO 374-1:2016+A1:2018 Type A, EN ISO 374-4:2019, EN ISO 374-5:2016, ISO 18889 G2

Evaluation

Rating	Range (• - •••••)
Durability	••••
Dexterity	•••
Moisture protection	•••••
Resistant to oil/grease	•••••
Slip-resistance	•••
Breathability	

Logistical Data

Item no.	Size	Barcode	MOQ	Packaging Unit	Pal
29816	7 / S	4018653298169	6 Pair	1/6/144	3168
29817	8 / M	4018653298176	6 Pair	1/6/144	3168
29818	9 / L	4018653298183	6 Pair	1/6/144	3168
29825	10 / XL	4018653298251	6 Pair	1/6/144	3168

Certification

A) Mechanical resistance according to EN 388:2016+A1:2018

Feature	Level	Range
Abrasion resistance	4	Min 0 / Max 4
Cut resistance (Coupe-Test)	1	Min 0 / Max 5
Tear resistance	0	Min 0 / Max 4
Puncture resistance	1	Min 0 / Max 4
Cut resistance (ISO 13997)	X	A-F (X=not tested)

B) Chemical resistance according to EN ISO 374-1:2016, Type A, EN 374-4:2013

ID Code	Substance	CAS-Nr.	Class	Performance level*	Degradation
A	Methanol	67-56-1	Primary alcohol	2	70,1 %
F	Toluol	108-88-3	Aromatic hydrocarbon	1	81,8 %
J	n-Heptane	142-82-5	Aliphatic hydrocarbon	6	0,0 %
K	Sodium Hydroxide 40%	1310-73-2	Inorganic base	6	4,5 %
L	Sulfuric acid 96%	7664-93-9	Anorganic acid, oxidizing	3	61,9 %
M	Nitric acid 65%	7697-37-2	Anorganic acid, oxidizing	2	98,7 %
N	Acetic acid 99%	64-19-7	Organic acid	3	91,9 %
O	Ammonia water 25%	1336-21-6	Organic base	6	-5,8 %
P	Hydrogen peroxide	7722-84-1	Peroxide	6	-11,7 %
T	Formaldehyde 37%	50-00-0	Aldehyde	6	-15,6 %

*legend:

Performance level	1	2	3	4	5	6
Breakthrough time (min)	>10	>30	>60	>120	>240	>480

C) Microbial resistance according to EN ISO 374-5:2016

Protection against bacteria and fungal spores: pass

Protection against virus: pass

D) Phytosanitary resistance according to ISO 18889:2019

Performance level G2 (PROWL-test)

Results of further (internal) tests on selected substances (breakthrough times)

Substance	CAS Nr.	Breakthrough time [min]	Lowest breakthrough time [min]	Performance level (CE)	Degradation [%]
Organic acids					
Acetic Acid - Glacial	64-19-7	87, 89, 99	87	3	91,9
Formic Acid, 95%	64-18-6	62, 55, 43	43	2	X
Oxalic Acid 12.5%	144-62-7	>480, >480, >480	>480	6	X
Tannic Acid 37.5%	1401-55-4	>480, >480, >480	>480	6	X
Citric Acid 10%	77-92-9	>480, >480, >480	>480	6	X
Inorganic acid					
Hydrofluoric Acid, 48%	7664-39-3	69, 60, 73	60	3	X
Hydrochloric Acid, 37%	7647-01-0	>480, >480, >480	>480	6	X
Nitric Acid, 65%	7697-37-2	48, 50, 53	48	2	98,7
Sulphuric Acid, 96%	7664-93-9	106, 107, 115	106	3	61,9
Aqua Regia	8007-56-5	>480, >480, >480	>480	6	X
Alkalis					
Ammonium Hydroxide, 25%	1336-21-6	>480, >480, >480	>480	6	-5,8
Sodium Hydroxide, 40%	1310-73-2	>480, >480, >480	>480	6	4,5
Alcohols					
Butanol	71-36-3		>480	6	36,07
Ethanol, 96%	64-17-5	<2, <2, <2	<2	0	X
Iso Propyl Alcohol (Propan-2-ol)	67-63-0	>480, >480, >480	>480	6	24,84
Methanol	67-56-1	31, 34, 32	31	2	70,1
Propan - 1 - ol	71-23-8	>480, >480, >480	>480	6	X
Amyl alcohol	71-41-0	>480, >480, >480	>480	6	X
Diacetone alcohol 99%	123.42-2	309, 316, 265	265	5	X
Isobutyl alcohol 99%	78-83-1	>480, >480, >480	>480	6	X
Cellusolve solvent	110-80-5	129, 142, 155	129	4	X
Methyl Cellusolve	109-86-4	>480, >480, >480	>480	6	X
Cyclohexanol	108-93-0	>480, >480, >480	>480	6	X
Ethanol, absolute	64-17-5		380	5	56,07
Ketones					
Acetone	67-64-1	<1, <1, <1	<1	0	92,12
Di-isobutyl ketone	108-83-8	>480, >480, >480	>480	6	X
Aldehydes					
Formaldehyde, 37%	50-00-0	>480, >480, >480	>480	6	-15,6
Esters					
Ethyl Acetate	141-78-6	<1, <1, <1	<1	0	91,46
Cellusolve Acetate 99%	111-15-9	114, 111, 77	77	3	X
Amyl Acetate	628-63-7	193, 75, 89	75	3	X
Ethers					

Substance	CAS Nr.	Breakthrough time [min]	Lowest breakthrough time [min]	Performance level (CE)	Degradation [%]
Ethylether	60-29-7	>480, >480, >480	>480	6	X
Methyl t-butyl ether	1624-04-4	142, 161, 166	142	4	X
Aliphatic solvents					
Cyclohexane	110-82-7	>480, >480, >480	>480	6	11,08
n- Heptane	142-82-5	>480, >480, >480	>480	6	0,0
Isooctane	540-84-1	>480, >480, >480	>480	6	X
Pentane 98%	109-66-0	>480, >480, >480	>480	6	X
Aromatic solvents					
Toluene	108-88-3	13, 12, 12	12	1	81,8
Xylene	1330-20-7	24, 40, 26	24	1	80,50
Turpentine	8006-64-2	>480, >480, >480	>480	6	X
Stoddard solvent	8051-41-3	>480, >480, >480	>480	6	X
White Spirit	64742-88-7		>480	6	X
Sulphur-based chemicals					
Carbon disulphide	75-15-0	4, 6, 9	4	0	X
Dimethyl sulphoxide	67-68-5	36, 42, 48	42	2	X
Amines					
Diethyl Amine	109-89-7	<1, <1, <1	<1	0	X
Methylamine	74-89-5	>480, >480, >480	>480	6	X
Diethanolamine	111-42-2	>480, >480, >480	>480	6	X
Chlorinated solvents					
Dichloromethane	75-09-2	<1, <1, <1	<1	0	X
Carbon tetrachloride	56-23-5	425, 357, 271	271	5	X
Freon 99.7%	75-69-4	>480, >480, >480	>480	6	X
Tetrachloroethylene	127-18-4	>480, >480, >480	>480	6	X
Nitriles					
Acetonitrile	75-05-8	6, 8, 10	6	0	X
Peroxides					
Hydrogen Peroxide, 30%	7722-84-1	>480, >480, >480	>480	6	-11,7
Inorganic chemicals					
Ammonium Fluoride 40%	12125-01-8	>480, >480, >480	>480	6	X
Petroleum Derivatives					
Naptha solvent	64742-94-5	56, 51, 55	51	0	X
Petroleum Ether	8032-32-4	>480, >480, >480	>480	6	X
Kerosene	64742-81-0	>480, >480, >480	>480	6	X
Other					
Hexamethyl disilazane 99%	1049738-54-6	>480, >480, >480	>480	6	X
Rapeseed Oil	8002-13-9	<2, <2, <2	<2	0	X