

UltraNeo 407

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	56	2	ASTM F739	1	-
1,1,1,2-Tetrafluoroethane (HFC-134A) freon 134A 99%	811-97-2	480	6	ASTM F739	NT	NA
1,1,2-Trichlorotrifluoroethane (Freon TF or Freon 113) 99%	76-13-1	480	6	ASTM F739	4	++
1,1,2,2-Tetrachloroethane 98%	79-34-5	52	2	ASTM F739	1	-
1,2 - dichloroethane 99%	107-06-2	23	1	ASTM F739	1	-
1,2-Dichlorobenzene 99%	95-50-1	49	2	ASTM F739	1	-
1,2,4-Trichlorobenzene 99%	120-82-1	142	4	ASTM F739	2	+
1,3 - Dichlorobenzene 98%	541-73-1	42	2	ASTM F739	1	-
2-Butoxyethanol (Butyl Cellusolve) 99%	111-76-2	480	6	ASTM F739	4	++
2-Chlorotoluene (o-Chlorotoluene) 99%	95-49-8	36	2	ASTM F739	1	-
2-Ethoxyethanol (Cellosolve) 99%	110-80-5	480	6	ASTM F739	4	++
2-Ethoxyethyl acetate (Cellosolve Acetate) 99%	111-15-9	127	4	ASTM F739	4	++
2-Methylpentamethylenediamine 99%	15520-10-2	341	5	ASTM F739	NT	NA
2-Propanol (Isopropanol) 99%	67-63-0	480	6	ASTM F739	4	++
2,2,2-Trifluoroethanol 99%	75-89-8	480	6	ASTM F739	4	++
4-Chlorotoluene (p-Chlorotoluene) 98%	106-43-4	24	1	ASTM F739	1	-
Acetaldehyde 99%	75-07-0	39	2	ASTM F739	4	+
Acetic acid 10%	64-19-7	480	6	ASTM F739	4	++
Acetic acid 50%	64-19-7	480	6	ASTM F739	4	++
Acetic acid 99%	64-19-7	480	6	ASTM F739	4	++
Acetone 99%	67-64-1	36	2	ASTM F739	2	=
Acetonitrile 99%	75-05-8	143	4	ASTM F739	4	++
Acrylonitrile 99%	107-13-1	109	3	ASTM F739	4	++
Ammonium hydroxide solution 25%	1336-21-6	480	6	EN 16523-1:2015	NT	NA

*not normalized result

OVERALL CHEMICAL PROTECTION RATING

Protection rating is determined by taking into account the effects of both permeation and degradation in an attempt to provide users with an overall protection guideline when using our glove products against specific chemicals.

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Ammonium hydroxide solution 29%	1336-21-6	480	6	ASTM F739	4	++
Aniline 99%	62-53-3	415	5	ASTM F739	4	++
Benzene 99%	71-43-2	21	1	ASTM F739	1	-
Butyl Acetate 99%	123-86-4	45	2	ASTM F739	3	+
Carbon disulfide 99%	75-15-0	8	0	ASTM F739	1	-
Carbon Tetrachloride 99%	56-23-5	56	2	ASTM F739	1	-
Chlorobenzene 99%	108-90-7	28	1	ASTM F739	1	-
Chloroform 99%	67-66-3	13	1	ASTM F739	1	-
Chromic Acid 50%	7738-94-5	480	6	ASTM F739	4	++
Cumene 98%	98-82-8	66	3	ASTM F739	3	++
Cyclohexane 99%	110-82-7	184	4	ASTM F739	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	12	1	ASTM F739	1	-
Diethanolamine 97%	111-42-2	480	6	ASTM F739	4	++
Dimethylformamide 99%	68-12-2	217	4	ASTM F739	4	++
Dimethylsulfoxide 99%	67-68-5	480	6	ASTM F739	4	++
Ethanol 95%	64-17-5	480	6	ASTM F739	4	++
Ether (Diethyl Ether) 99%	60-29-7	28	1	ASTM F739	3	=
Ethyl acetate 99%	141-78-6	37	2	ASTM F739	3	+
Ethylene glycol 99%	107-21-1	480	6	ASTM F739	4	++
Ethylene oxide 99%	75-21-8	45	2	ASTM F739	NT	NA
Formaldehyde 37%	50-00-0	480	6	ASTM F739	4	++
Freon 12 99%	75-71-8	480	6	ASTM F739	NT	NA
Furfural 99%	98-01-1	258	5	ASTM F739	4	++
Hydrazine 35%	302-01-2	480	6	ASTM F739	4	++
Hydrazine 70%	302-01-2	480	6	ASTM F739	4	++
Hydrazine 98%	302-01-2	NT	NT		4	NA

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Hydrochloric acid 10%	7647-01-0	480	6	ASTM F739	4	++
Hydrochloric acid 35%	7647-01-0	480	6	EN 374-3:2003	4	++
Hydrochloric acid 37%	7647-01-0	480	6	ASTM F739	4	++
Hydrofluoric Acid 10%	7664-39-3	480	6	ASTM F739	4	++
Hydrofluoric Acid 40%	7664-39-3	480	6	EN 16523-1:2015	3	++
Hydrofluoric Acid 49%	7664-39-3	480	6	ASTM F739	4	++
Hydrogen fluoride Anhydrous 100% Liq.	7664-39-3	240	4	EN 374-3:1994	NT	NA
Hydrogen fluoride Anhydrous 99% Gas	7664-39-3	480	6	ASTM F739	NT	NA
Hydrogen peroxide 30%	7722-84-1	480	6	EN 16523-1:2015	4	++
Iodomethane (Methyl Iodide) 99%	74-88-4	9	0	ASTM F739	NT	NA
Isoamyl Acetate (Isopentylacetate) 98%	123-92-2	122	4	ASTM F739	3	++
Isobutyl alcohol 99%	78-83-1	480	6	ASTM F739	4	++
Kerosene mixture	8008-20-6	480	6	ASTM F739	4	++
m-Cresol 97%	108-39-4	480	6	ASTM F739	4	++
Methanol 99%	67-56-1	245	5	ASTM F739	4	++
Methyl Amyl Ketone 98%	110-43-0	52	2	ASTM F739	3	+
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	25	1	ASTM F739	3	=
Methylisobutylketone 99%	108-10-1	63	3	ASTM F739	3	++
Mineral Spirits 100%	64475-85-0	NT	NT		4	NA
n-Heptane 99%	142-82-5	186	4	ASTM F739	4	++
n-hexane 95%	110-54-3	132	4	ASTM F739	4	++
N-methyl-2-Pyrrolidone 99%	872-50-4	226	4	ASTM F739	3	++
N-N dimethyl acetamide 30%	127-19-5	NT	NT		4	NA
N-N dimethyl acetamide 99%	127-19-5	92	3	ASTM F739	4	++
Naphtha mixture	8030-30-6	NT	NT		4	NA

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Naphtha Heavy mixture	68551-17-7	480	6	ASTM F739	NT	NA
Naphtha VM&P mixture	8032-32-4	89	3	ASTM F739	4	++
Naphtha, Hydrodesulphurized Heavy mixture	64742-82-1	392	5	EN 374-3:2003	2	+
Naphtha, Hydrotreated Heavy mixture	64742-48-9	370	5	EN 374-3:2003	NT	NA
Nitric acid 10%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 20%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 40%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 50%	7697-37-2	480	6	ASTM F739	4	++
Nitric acid 65%	7697-37-2	480	6	EN 16523-1:2015	4	++
Nitric acid 68%	7697-37-2	480	6	EN 374-3:2003	3	++
Nitric acid 90%	7697-37-2	9	0	ASTM F739	NT	NA
Nitrobenzene 99%	98-95-3	132	4	ASTM F739	3	++
Oleic Acid 90%	112-80-1	NT	NT		4	NA
p-dioxane (1,4-Dioxane) 99%	123-91-1	74	3	ASTM F739	NT	NA
Pentane 99%	109-66-0	122	4	ASTM F739	4	++
Pentane isomers mixture	NA	161	4	EN 374-3:2003	NT	NA
Phenol 85%	108-95-2	480	6	ASTM F739	4	++
Phosphoric acid 75%	7664-38-2	480	6	ASTM F739	4	++
Phosphoric acid 85%	7664-38-2	480	6	ASTM F739	4	++
Polychlorinated Biphenyl (PCB) (50%) in 1,2,4-Trichlorobenzene mixture	11097-69-1	161	4	ASTM F739	NT	NA
Potassium Hydroxide 50%	1310-58-3	480	6	ASTM F739	4	++
Pyridine 99%	110-86-1	36	2	ASTM F739	2	=
Sodium hydroxide 20%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 40%	1310-73-2	480	6	ASTM F739	4	++
Sodium hydroxide 50%	1310-73-2	480	6	ASTM F739	4	++

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Styrene 99%	100-42-5	20	1	EN 374-3:2003	1	-
Sulfuric acid 10%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 40%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 50%	7664-93-9	480	6	ASTM F739	4	++
Sulfuric acid 96%	7664-93-9	480	6	ASTM F739	4	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	40	2	ASTM F739	1	-
Tetrahydrofuran 99%	109-99-9	NT	NT		1	NA
Toluene 99%	108-88-3	19	1	ASTM F739	1	-
Toluene Diisocyanate (TDI) 80%	584-84-9	480	6	ASTM F739	4	++
Trichloroethylene 99%	79-01-6	12	1	ASTM F739	1	-
Triethanolamine 98%	102-71-6	480	6	ASTM F739	4	++
Triethylamine 99%	121-44-8	133	4	ASTM F739	NT	NA
Turpentine mixture	8006-64-2	480	6	ASTM F739	4	++
Unleaded gasoline mixture	8006-61-9	41	2	ASTM F739	2	=
Vinyl acetate 99%	108-05-4	38	2	ASTM F739	4	+
Xylene 99%	1330-20-7	24	1	ASTM F739	1	-

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