Mapa Chemical

FluoTech 344

Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
1,1,1-Trichloroethane 99%	71-55-6	>480	6	ASTM F739	NT	NA
1,2 - dichloroethane 99%	107-06-2	289	5	ASTM F739	4	++
2,2,2-Trifluoroethanol 99%	75-89-8	>480	6	ASTM F739	NT	NA
Acetic acid 99%	64-19-7	399	5	EN 16523-1:2015	4	++
Acetone 99%	67-64-1	11	1	ASTM F739	1	-
Acetonitrile 99%	75-05-8	48	2	EN 16523-1:2015	4	+
Acrylic acid 95%	79-10-7	254	5	EN 374-3:2003	NT	NA
Ammonia 99%	7664-41-7	>480	6	EN 374-3:2003	NT	NA
Benzene 99%	71-43-2	>494	6	ASTM F739	4	++
Butyl Acetate 99%	123-86-4	36	2	ASTM F739	1	-
Carbon disulfide 99%	75-15-0	>480	6	EN 16523-1:2015	4	++
Carbon Tetrachloride 99%	56-23-5	>480	6	ASTM F739	NT	NA
Chlorine 100%	7782-50-5	>480	6	EN 374-3:2003	NT	NA
Chlorobenzene 99%	108-90-7	>480	6	ASTM F739	4	++
Chloroform 99%	67-66-3	>480	6	ASTM F739	4	++
Cyclohexane 99%	110-82-7	>480	6	ASTM F739	4	++
Dichloromethane (Methylene Chloride) 99%	75-09-2	51	2	EN 16523-1:2015	4	+
Diethylamine 98%	109-89-7	33	2	EN 16523-1:2015	4	+
Dimethylformamide 99%	68-12-2	45	2	ASTM F739	1	-
Ethyl acetate 99%	141-78-6	16	1	ASTM F739	1	-
Ethyl benzene 99%	100-41-4	>480	6	ASTM F739	4	++
Formaldehyde 37%	50-00-0	>480	6	EN 16523-1:2015	NT	NA
Furfural 99%	98-01-1	132	3	ASTM F739	NT	NA
Hydrochloric acid 10%	7647-01-0	>480	6	ASTM F739	NT	NA
Hydrochloric acid 35%	7647-01-0	>480	6	EN 16523-1:2015	NT	NA
Hydrogen chloride 99%	7647-01-0	>480	6	EN 374-3:2003	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.

- Used for **high chemical exposure** or chemical immersion, limited to breakthrough time based on a working day.
- Used for **repeated chemical contact**, limited to total chemical exposure i.e. : accumulative breakthrough time based on a working day.
- **Splash protection only**, on chemical exposure the gloves should be discarded and new gloves worn as soon as possible.
- **Not recommended**, these gloves are deemed unsuitable for work with this chemical.
- NT: Not tested
- NA: "Not applicable" because not fully tested (only degradation OR permeation results)

The chemical test data and overall chemical protection rating should not be used as the absolute basis for glove selection. Actual in-use conditions may vary glove performance from the controlled conditions of laboratory tests. Factors other than chemical contact time

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Hydrogen peroxide 30%	7722-84-1	>480	6	EN 16523-1:2015	NT	NA
Iodomethane (Methyl Iodide) 99%	74-88-4	349	5	ASTM F739	NT	NA
Methanol 99%	67-56-1	219	4	EN 374-3:2003	4	++
Methyl Acrylate 99%	96-33-3	18	1	ASTM F739	NT	NA
Methyl Ethyl Ketone (2-Butanone) 99%	78-93-3	13	1	ASTM F739	1	-
n-Heptane 99%	142-82-5	>480	6	EN 16523-1:2015	4	++
n-hexane 95%	110-54-3	>480	6	ASTM F739	4	++
N-N dimethyl acetamide 99%	127-19-5	54	2	ASTM F739	1	-
Nitric acid 100%	7697-37-2	144	4	EN 374-3:2003	NT	NA
Nitric acid 65%	7697-37-2	>480	6	EN 16523-1:2015	4	++
Pentane 99%	109-66-0	>480	6	ASTM F739	4	++
Phenol 85%	108-95-2	>480	6	ASTM F739	NT	NA
Sodium hydroxide 20%	1310-73-2	>480	6	EN 374-3:2003	4	++
Sodium hydroxide 40%	1310-73-2	>480	6	EN 374-3:2003	4	++
Sodium hydroxide 50%	1310-73-2	>480	6	EN 374-3:2003	4	++
Styrene 99%	100-42-5	>480	6	ASTM F739	4	++
Sulfuric acid 10%	7664-93-9	>480	6	EN 374-3:2003	4	++
Sulfuric acid 40%	7664-93-9	>480	6	EN 374-3:2003	4	++
Sulfuric acid 50%	7664-93-9	>480	6	EN 374-3:2003	4	++
Sulfuric acid 96%	7664-93-9	>480	6	EN 16523-1:2015	4	++
Tetrachloroethylene (Perchloroethylene) 99%	127-18-4	>480	6	ASTM F739	NT	NA
Tetrahydrofurane 99%	109-99-9	7	0	ASTM F739	1	-
Toluene 99%	108-88-3	>480	6	EN 16523-1:2015	4	++
Trichloroethylene 99%	79-01-6	>480	6	ASTM F739	NT	NA
Vinyl acetate 99%	108-05-4	16	1	ASTM F739	NT	NA

*not normalized result

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Mapa Chemical

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Chemical Product	CAS #	Breakthrough time (minutes)	Permeation level	Standard	Degradation level	Rating
Xylene 99%	1330-20-7	>480	6	ASTM F739	4	++

*not normalized result

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