

Chemical Permeation Table (printed 2023-04-28)
Standard [EN16523-1]

Glove	Concentration	CAS Number	Kimtech™ Purple Nitrile™ Xtra Gloves		Kimtech™ Purple Nitrile™ Gloves	
			EN 16523-1 Permeation	EN 374-4 Degradation	EN 16523-1 Permeation	EN 374-4 Degradation
Acetic Acid	99%	64-19-7	1	98%	1	98%
Acetone	99%	67-64-1	<1	80%	<1	80%
Ammonium Hydroxide	25%	1336-21-6	12	53%	12	53%
Carbon Disulphide	99%	75-15-0	0,92	70%	0,92	70%
Chloroform	99%	67-66-3	<1	99%	<1	99%
Citric Acid	30%	77-92-9	>480	9,90%	>480	9,90%
Cyclohexane	99%	100-82-7	90	58%	90	58%

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Dimethyl Sulphoxide	99%	67-68-5				
Dimethyl Sulphoxide	99,50%	67-68-5	1,6		1,6	
Ethanol	70%	64-68-5	41	56%	41	56%
Ethidium Bromide	1%	1239-45-8	>480	2,40%		
Ethidium bromide	1%	1239-45-8			>480	
Ethyl Acetate	99%	141-78-6	1	83%	1	83%
Formaldehyde	37%	50-00-0	>480	22%	>480	22%
Hydrochloric Acid	30%	7647-01-0	>480	34,0%	>480	34,0%
Hydrogen Peroxide	30%	7722-84-1	>480	36%	>480	36%
Isopropanol	70%	67-63-0	69	60%	69	60%
Isopropanol	99%	67-63-0	42	46%	42	46%

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Methanol	99%	67-56-1	3,9	80%	3,9	80%
Nitric Acid	65%	7697-37-2	9,3	97%	9,3	97%
Perchloric Acid	70%	7601-90-3	>480	6,40%	>480	6,40%
Sodium Hydroxide	40%	1310-73-2	>480	-7,90%	>480	-7,90%
Sodium Hydroxide	50%	1310-73-2	>480	-13,0%	>480	-13,0%
Sodium Hypochlorite	14%	7681-52-9	>480	1,60%	>480	1,60%
Sulphuric Acid	95%	7664-93-9	13		13	
Toluene	99%	108-88-3	1,1	86%	1,1	86%
n-Heptane	99%	142-82-5	62	48%	62	48%

Disclaimer: All data provided is based on results of tests performed in accordance with the relevant test standard (Chemical Permeation: EN16523-1 or EN374-3; Degradation: EN374-4), by an independent laboratory which has approval from a notified body under the CE Regulation (Or Directive) for Personal Protective Equipment. These tests may not adequately replicate any specific conditions of use, and because KIMBERLY-CLARK PROFESSIONAL™ has no detailed knowledge or control over the conditions of end use, any of the data provided must be considered on an advisory basis only, and KIMBERLY-CLARK PROFESSIONAL* must decline any liability.