

CHEMICAL PERMEATION TIMES OF KIMTECH™ DISPOSABLE GLOVES

PRODUCT STYLES			Kimtech™ Purple Nitrile™	Kimtech™ Purple Nitrile™ Xtra	Kimtech™ Polaris™	Kimtech™ Polaris™ Xtra	Kimtech™ Sterling™	Kimtech™ Opal™
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.								
			Nitrile	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile
AQL			0.65	0.65	0.65	0.65	0.65	1.50
CAS	CHEMICAL NAME	%	CHEMICAL PERMEATION BREAKTHROUGH TIMES					
64-19-7	Acetic Acid	99	1	1	8	>10	2	0
64-19-7	Acetic Acid	50			>240	>240		
64-19-7	Acetic Acid	20			>480	>480		
67-64-1	Acetone	99	<1	<1				
67-64-1	Acetone	100			0	0		
75-05-8	Acetonitrile	100			0	0		
79-06-1	Acrylamide	40			>480	>480		
1336-21-6	Ammonium Hydroxide	25			>60	>60	8	0
1336-21-6	Ammonium Hydroxide	10			>120	>120		
123-86-4	Butyl Acetate	100			0	0		
75-15-0	Carbon Disulfide	100			0	0	0	
75-15-0	Carbon Disulfide	99	0.92	0.92				
18472-51-0	Chlorhexidine Gluconate	4			>480	>480		
67-66-3	Chloroform	99	<1	<1				
67-66-3	Chloroform	4			>10	>30		
67-66-3	Chloroform	50			0	0		
N/A	Cidex® OPA/Ortho-phthalaldehyde	-			>480	>480		
77-92-9	Citric Acid	30	>480	>480	>480	>480		
100-82-7	Cyclohexane	99	90	90	>480	>480		
84-74-2	Dibutyl Phtalate	99			>480	>480		
75-09-2	Dichloromethane	100			0	0	0	
109-89-7	Diethylamine	100			0	0	0	
67-68-5	Dimethyl Sulphoxide	100	1.6	1.6			1	
67-68-5	Dimethyl Sulphoxide	99			5	9.9		
67-68-5	Dimethyl Sulphoxide	10			>480	>480		
68-12-2	Dimethylformamide (DMF)	99			0	0		
64-17-5	Ethanol	70	41	41	>60	>60		
1239-45-8	Ethidium Bromide	1		>480	>480	>480	>480	
1239-45-8	Ethidium Bromide	5		>480	>480	>480		>480
141-78-6	Ethyl Acetate	1	1	1	0	0	0	
107-21-1	Ethylene Glycol	99			>480	>480		
50-00-0	Formaldehyde	37			>480	>480	30	>60
64-18-6	Formic Acid	30			>240	>480		
1174921-67-5	Frekote 770-NC™	-			>480	>480		
111-30-8	Glutaraldehyde	50			>480	>480		>480
302-01-2	Hydrazine	65			>480	>480		
7647-01-0	Hydrochloric Acid	30	>480	>480			180	
7647-01-0	Hydrochloric Acid	37			>480	>480		
7664-39-3	Hydrofluoric acid	40			>10	>10		
7722-84-1	Hydrogen Peroxide	30	>480	>480	>60	>60		>120
67-63-0	Isopropanol	70	69	69	>120	>120	15	0
67-63-0	Isopropanol	99	42	42	>120	>120		
N/A	Jet Fuel (SEA AMS2629F)	-			>480	>480		
108-87-2	Mercaptoethanol	5			>480	>480		
67-56-1	Methanol	99	3.9	3.9	>10	>10		>480
78-93-3	Methyl Ethyl Ketone (MEK)	99			0	0	18	
108-87-2	Methylcyclohexane	99			>480	>480		
142-82-5	n-Heptane	99	62	62				0
142-82-5	n-Heptane	100			>240	>480	3	0
110-54-3	n-Hexane	96			>240	>480		
54-11-5	Nicotine	98			>10	>30		
7697-37-2	Nitric Acid	65	9.3	9.3	9	8		
7697-37-2	Nitric Acid	10			>480	>480		
144-62-7	Oxalic Acid Solution (Saturated)	-			>480	>480		
79-21-0	Peracetic Acid	32			>10	>30		
7601-90-3	Perchloric Acid	70	>480	>480	>480	>480		

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			Nitrile	Nitrile	Nitrile	Nitrile	Nitrile	Nitrile
AQL			0.65	0.65	0.65	0.65	0.65	1.50
CAS	CHEMICAL NAME	%	CHEMICAL PERMEATION BREAKTHROUGH TIMES					
108-95-2	Phenol	0			>480	>480		>480
108-95-2	Phenol	4			>10	>30		
25655-41-8	Povidone Iodine	10			>480	>480		
57-55-6	Propylene Glycol	99			>480	>480		
N/A	Quaternary Detergent	-			>480	>480		
N/A	Skydrol LD-4	-			>30	>60		
1310-73-2	Sodium Hydroxide	50	>480	>480			>480	
1310-73-2	Sodium Hydroxide	40	>480	>480	>480	>480	>480	>480
7681-52-9	Sodium Hypochlorite	14	>480	>480				>480
7681-52-9	Sodium Hypochlorite	-			>480	>480		
N/A	Spor-Klenz	100			>480	>480		
8052-41-3	Stoddart Solvent	-			>480	>480		
7664-93-9	Sulfuric Acid	96			>10	>10	2	
7664-93-9	Sulfuric Acid	70			>60	>60		
7664-93-9	Sulfuric Acid	95	13	13				
7664-93-9	Sulfuric Acid	50					>480	>480
109-99-9	Tetrahydrofuran	100					0	
108-88-3	Toluene	99	1.1	1.1	0	0	0	
121-44-8	Triethylamine	99			>120	>240		
N/A	TRizol™	-			>10	>10		
8006-64-2	Turpentine	-			>480	>480		
1330-20-7	Xylene	50			0	0		

Permeation Breakthrough Times (Min)					
Not Recommended		Splash Protection		Medium Protection	
<10		10-30	30-60	60-120	120-240
		Good Protection			
		240-480	>480		

Disclaimer

These tests may not adequately replicate any specific conditions of use, and because Ansell 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 Ansell must decline any liability.