

CHEMICAL BARRIER GLOVE



RESPIREX™

Description

Manufactured using a **seven-layer** chemical barrier laminate material, Kemblok™ gloves provide excellent **protection against a wide range of chemicals, viruses and micro-organisms.**

Applications



Pharmaceutical



Laboratory



Chemical Handling



Certification



EN374-1:2016 | Type A
Protective gloves against chemicals & micro-organisms. Permeation Level 6 with reagents A, D, E, G, H & L



EN374-5:2016
Protective gloves against chemicals & micro-organisms. With EN 374-2:2014 AQL Performance Level 3 including Viral Penetration

Material Performance



FINABEL 0.7.C
Chemical Warfare Agents

Product Documentation



The CE Certificate, Declaration of Conformity and user instructions can all be downloaded from the product page on the Respirex website, links are in the downloads tab.

There are also videos on donning procedure and on how to use the Permasure app.

Chemical Permeation Data

Chemical Name	State	EN 374-1 Code	CAS Number	Breakthrough EN374-3 (min.)	EN Class
acetaldehyde	L		75-07-0	>480	6
acetic acid (30%)	L		64-19-7	>480	6
acetic acid (glacial)	L	N	64-19-7	>480	6
acetic anhydride	L		108-24-7	>480	6
acetone	L	B	67-64-1	>480	6
acetonitrile	L	C	75-05-8	>480	6
acetophenone	L		98-86-2	>480	6
acrylamide (50%)	L		79-06-1	>480	6
acrylic acid	L		79-10-7	>480	6
acrylonitrile	L		107-13-1	>480	6
allyl alcohol	L		107-18-6	>480	6
ammonia	G		7664-41-7	>480	6
ammonium hydroxide (35% NH ₃ in water)	L	O	1336-21-6	>480	6
amyl acetate-n	L		628-63-7	>480	6
aniline	L		62-53-3	>480	6
aviation fuel	L		-	>480	6
benzene	L		71-43-2	>402	5
benzotrile	L		100-47-0	>480	6
benzoyl chloride	L		98-88-4	>480	6
benzyl alcohol	L		100-51-6	>480	6
benzyl chloride	L		100-44-7	>480	6
bromine	L		7726-95-6	8	0
butadiene 1,3	G		106-99-0	>480	6
butane	G		106-97-8	>480	6
butanol n-	L		71-36-3	>480	6
Butyl aldehyde	L		123-72-8	>480	6
Butyl ether n-	L		142-96-1	>480	6
carbon disulphide	L	E	75-15-0	>480	6
chlorine	G		7782-50-5	>480	6
chloroacetic acid (68%)	L		79-11-8	>480	6
chlorobenzene	L		108-90-7	389	5
chloroethanol 2-	L		107-07-3	>480	6
chloroform	L		67-66-3	95	3
cresol m-	L		108-39-4	>480	6
cyclohexane	L		110-82-7	>480	6
cyclohexanone	L		108-94-1	>480	6
dichlorodimethylsilane	L		75-78-5	>480	6
dichloromethane	L	D	75-09-2	>480	6
diesel fuel	L		-	>480	6
diethylamine	L	G	109-89-7	>480	6
di(2-ethylhexyl)phthalate	L		117-81-7	>480	6
dimethylacetamide N,N	L		127-19-5	>480	6
dimethylformamide N,N	L		4472-41-7	>480	6
dimethyl sulphate	L		77-78-1	>480	6
dimethyl sulphide	L		75-18-3	84	3
dimethyl sulphoxide	L		67-68-5	>480	6

Chemical Permeation Data (continued)

Chemical Name	State	EN 374-1 Code	CAS Number	Breakthrough EN374-3 (min.)	EN Class
dioxane 1,4-	L		123-91-1	>480	6
epichlorohydrin	L		106-89-8	>480	6
ethanol	L		64-17-5	>480	6
ethanolamine	L		141-43-5	>480	6
ethyl acetate	L	I	141-78-6	>480	6
ethyl cellosolve acetate	L		111-15-9	>480	6
ethylene diamine	L		107-15-3	>480	6
ethylene dibromide	L		106-93-4	>480	6
ethylene glycol	L		107-21-1	>480	6
ethylene oxide	G		75-21-8	>480	6
formaldehyde (37%)	L	T	50-00-0	>480	6
formic acid (96%)	L		64-18-6	>480	6
furaldehyde 2-	L		98-01-1	>480	6
glutaraldehyde (5%)	L		111-30-8	>480	6
heptane	L	J	142-82-5	>480	6
hexane	L		110-54-3	>480	6
hydrazine monohydrate	L		7803-57-8	>480	6
hydrochloric acid (37%)	L		7647-01-0	>480	6
hydrofluoric acid (48%)	L	S	7664-39-3	>480	6
hydrofluoric acid (73%)	L		7664-39-3	>480	6
hydrogen chloride	G		7647-01-0	>480	6
hydrogen fluoride (anhydrous gas)	G		7664-39-3	304	5
hydrogen fluoride (anhydrous liquid)	L		7664-39-3	228	4
hydrogen peroxide (30%)	L	P	7722-84-1	>480	6
kerosene	L		8008-20-8	>480	6
mercuric chloride (sat. solution)	L		7487-94-7	>480	6
methacrylic acid	L		79-41-4	>480	6
methanol	L	A	67-56-1	>480	6
methyl acrylate	L		96-33-3	>480	6
methyl-t-Butyl-ether	L		1634-04-4	>480	6
methyl chloride	G		74-87-3	>480	6
methyl ethyl ketone	L		78-93-3	>480	6
methyl mercaptan	G		74-93-1	>480	6
methyl methacrylate	L		80-62-6	>480	6
methyl vinyl ketone	L		78-94-4	>480	6
methyl -2-pyrrolidone n-	L		872-50-4	>480	6
methylene bromide	L		74-95-3	>480	6
nicotine	L		54-11-5	>480	6
nitric acid (70%)	L	M	7697-37-2	>480	6
nitric acid (>90% fuming)	L		7697-37-2	>480	6
nitrobenzene	L		98-95-3	>480	6
nitromethane (96%)	L		75-52-5	>480	6
oleum (15% free SO ₂)	L		8014-95-7	>480	6
perchloric acid	L		7601-90-3	>480	6
petrol, leaded	L		-	>480	6
petrol, unleaded	L		8006-61-9	>480	6

Chemical Permeation Data (continued)

Chemical Name	State	EN 374-1 Code	CAS Number	Breakthrough EN374-3 (min.)	EN Class
phenol (85%)	L		108-95-2	>480	6
phosphoric acid (85%)	L		7664-38-2	>480	6
phosphorus oxytrichloride	L		10025-87-3	440	5
potassium chromate (sat. solution)	L		7789-00-6	>480	6
propan-2-ol	L		67-63-0	>480	6
propylene oxide 1,2-	L		75-56-9	>480	6
pyridine	L		110-86-1	>480	6
'Roundup' weedkiller	L		-	>480	6
sodium cyanide (45%)	L		143-33-9	>480	6
sodium hydroxide (40%)	L	K	1310-73-2	>480	6
sodium hypochlorite (12% chlorine)	L		7681-52-9	>480	6
styrene	L		100-42-5	>480	6
sulphur dioxide	G		7446-09-5	>480	6
sulphuric acid (50%)	L		7664-93-9	>480	6
sulphuric acid (95-98%)	L	L	7664-93-9	>480	6
tetrachloroethylene	L		127-18-4	>480	6
tetrahydrofuran	L	H	109-99-9	>480	6
toluene	L	F	108-88-3	>480	6
toluene 2,4-diisocyanate	L		584-84-9	>480	6
toluidine o-	L		95-53-4	>480	6
trichloroacetic acid (80%)	L		650-51-1	>480	6
trichlorobenzene 1,2,4-	L		120-82-1	>480	6
trichloroethylene	L		79-01-6	42	2
trifluoroacetic acid	L		76-05-1	>480	6
triethylamine	L		121-44-8	>480	6
vinyl acetate	L		108-05-4	>480	6
xylene (iso-mix)	L		1330-20-7	>480	6

Warfare Agent Testing

Kemblok™ gloves have been tested in accordance with FINABEL O.7.C methods at the respected Proqares laboratory for resistance to permeation by chemical warfare agents against the following agents:

Agent	Breakthrough time (hours)	Temperature (°C)
Mustard agent (HD)	>48	37
Sarin (GB)	>48	37
Soman (GD)	>48	37
VX	>48	37



RESPIREX™

Living + Breathing Personal Protection

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