



Laboratory

Pharmaceutical

Chemical  
Handling

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

- Protection against chemicals and micro-organisms to EN 374-1:2016
- Can be worn as a liner under heavier gloves providing mechanical protection
- Lightweight & comfortable
- Compatible with the Permasure™ toxicity modelling application which calculates safe working times for over 4,000 chemicals (for more details visit [www.respirex-permasure.com](http://www.respirex-permasure.com))
- Working temperature -40°C to 70°C
- Silicone and latex free
- REACH compliant

### 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

### Additional:

- EN 420+A1:2009 Finger Dexterity Level 5

### Chemical Warfare Agent Protection:

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

For chemical permeation data see next page.

### Sizing:

	Small	Medium	Large
EU Size	11-12	13-14	14-15
US Size	12-13	14-15	15-16



### Supply:

Kemblok™ gloves are supplied in sealed bags of 10 pairs. For larger orders these are supplied in an inner carton that holds 5 bags (50 pairs) with an outer carton that holds 5 inner cartons (250 pairs).

	Small	Medium	Large
Product Code (Pack of 10 pairs)	B00385/S	B00385/M	B00385/L

Kemblok™ and Respirex are registered trademarks of Respirex International Limited  
Permasure™ is a registered trademark of ITP Limited

Specifications, configurations and colours are subject to change without notice.



# KEMBLOK™ GLOVE - CHEMICAL PERMEATION DATA

Chemical Name	State	CAS Number	Breakthrough EN374-3 (min.)	EN Class	Chemical Name	State	CAS Number	Breakthrough EN374-3 (min.)	EN Class
acetaldehyde	L	75-07-0	>480	6	hexane	L	110-54-3	>480	6
acetic acid (30%)	L	64-19-7	>480	6	hydrazine monohydrate	L	7803-57-8	>480	6
acetic acid (glacial)	L	64-19-7	>480	6	hydrochloric acid (37%)	L	7647-01-0	>480	6
acetic anhydride	L	108-24-7	>480	6	hydrofluoric acid (48%)	L	7664-39-3	>480	6
<b>acetone</b>	<b>L</b>	<b>67-64-1</b>	<b>&gt;480</b>	<b>6</b>	hydrofluoric acid (73%)	L	7664-39-3	>480	6
<b>acetonitrile</b>	<b>L</b>	<b>75-05-8</b>	<b>&gt;480</b>	<b>6</b>	<b>hydrogen chloride</b>	<b>G</b>	<b>7647-01-0</b>	<b>&gt;480</b>	<b>6</b>
acetophenone	L	98-86-2	>480	6	hydrogen fluoride (anhydrous gas)	G	7664-39-3	304	5
acrylamide (50%)	L	79-06-1	>480	6	hydrogen fluoride (anhydrous liquid)	L	7664-39-3	228	4
acrylic acid	L	79-10-7	>480	6	hydrogen peroxide (30%)	L	7722-84-1	>480	6
acrylonitrile	L	107-13-1	>480	6	kerosene	L	8008-20-8	>480	6
allyl alcohol	L	107-18-6	>480	6	mercuric chloride (sat. solution)	L	7487-94-7	>480	6
<b>ammonia</b>	<b>G</b>	<b>7664-41-7</b>	<b>&gt;480</b>	<b>6</b>	methacrylic acid	L	79-41-4	>480	6
ammonium hydroxide (35% NH <sub>3</sub> in water)	L	1336-21-6	>480	6	<b>methanol</b>	<b>L</b>	<b>67-56-1</b>	<b>&gt;480</b>	<b>6</b>
amyl acetate-n	L	628-63-7	>480	6	methyl acrylate	L	96-33-3	>480	6
aniline	L	62-53-3	>480	6	methyl-t-Butyl-ether	L	1634-04-4	>480	6
aviation fuel	L	-	>480	6	methyl chloride	G	74-87-3	>480	6
benzene	L	71-43-2	>402	5	methyl ethyl ketone	L	78-93-3	>480	6
benzonitrile	L	100-47-0	>480	6	methyl mercaptan	G	74-93-1	>480	6
benzoyl chloride	L	98-88-4	>480	6	methyl methacrylate	L	80-62-6	>480	6
benzyl alcohol	L	100-51-6	>480	6	methyl vinyl ketone	L	78-94-4	>480	6
benzyl chloride	L	100-44-7	>480	6	methyl -2-pyrrolidone n-	L	872-50-4	>480	6
bromine	L	7726-95-6	8	0	methylene bromide	L	74-95-3	>480	6
butadiene 1,3	G	106-99-0	>480	6	nicotine	L	54-11-5	>480	6
butane	G	106-97-8	>480	6	nitric acid (70%)	L	7697-37-2	>480	6
butanol n-	L	71-36-3	>480	6	nitric acid (>90% fuming)	L	7697-37-2	>480	6
Butyl aldehyde	L	123-72-8	>480	6	nitrobenzene	L	98-95-3	>480	6
Butyl ether n-	L	142-96-1	>480	6	nitromethane (96%)	L	75-52-5	>480	6
<b>carbon disulphide</b>	<b>L</b>	<b>75-15-0</b>	<b>&gt;480</b>	<b>6</b>	oleum (15% free SO <sub>3</sub> )	L	8014-95-7	>480	6
<b>chlorine</b>	<b>G</b>	<b>7782-50-5</b>	<b>&gt;480</b>	<b>6</b>	perchloric acid	L	7601-90-3	>480	6
chloroacetic acid (68%)	L	79-11-8	>480	6	petrol, leaded	L	-	>480	6
chlorobenzene	L	108-90-7	389	5	petrol, unleaded	L	8006-61-9	>480	6
chloroethanol 2-	L	107-07-3	>480	6	phenol (85%)	L	108-95-2	>480	6
chloroform	L	67-66-3	95	3	phosphoric acid (85%)	L	7664-38-2	>480	6
cresol m-	L	108-39-4	>480	6	phosphorus oxytrichloride	L	10025-87-3	440	5
cyclohexane	L	110-82-7	>480	6	potassium chromate (sat. solution)	L	7789-00-6	>480	6
cyclohexanone	L	108-94-1	>480	6	propan-2-ol	L	67-63-0	>480	6
dichlorodimethylsilane	L	75-78-5	>480	6	propylene oxide 1,2-	L	75-56-9	>480	6
<b>dichloromethane</b>	<b>L</b>	<b>75-09-2</b>	<b>&gt;480</b>	<b>6</b>	pyridine	L	110-86-1	>480	6
diesel fuel	L	-	>480	6	'Roundup' weedkiller	L	-	>480	6
<b>diethylamine</b>	<b>L</b>	<b>109-89-7</b>	<b>&gt;480</b>	<b>6</b>	sodium cyanide (45%)	L	143-33-9	>480	6
di(2-ethylhexyl)phthalate	L	117-81-7	>480	6	<b>sodium hydroxide (40%)</b>	<b>L</b>	<b>1310-73-2</b>	<b>&gt;480</b>	<b>6</b>
dimethylacetamide N,N	L	127-19-5	>480	6	sodium hypochlorite (12% chlorine)	L	7681-52-9	>480	6
dimethylformamide N,N	L	4472-41-7	>480	6	styrene	L	100-42-5	>480	6
dimethyl sulphate	L	77-78-1	>480	6	sulphur dioxide	G	7446-09-5	>480	6
dimethyl sulphide	L	75-18-3	84	3	<b>sulphuric acid (50%)</b>	<b>L</b>	<b>7664-93-9</b>	<b>&gt;480</b>	<b>6</b>
dimethyl sulphoxide	L	67-68-5	>480	6	sulphuric acid (95-98%)	L	7664-93-9	>480	6
dioxane 1,4-	L	123-91-1	>480	6	tetrachloroethylene	L	127-18-4	>480	6
epichlorohydrin	L	106-89-8	>480	6	<b>tetrahydrofuran</b>	<b>L</b>	<b>109-99-9</b>	<b>&gt;480</b>	<b>6</b>
ethanol	L	64-17-5	>480	6	<b>toluene</b>	<b>L</b>	<b>108-88-3</b>	<b>&gt;480</b>	<b>6</b>
ethanolamine	L	141-43-5	>480	6	toluene 2,4-diisocyanate	L	584-84-9	>480	6
<b>ethyl acetate</b>	<b>L</b>	<b>141-78-6</b>	<b>&gt;480</b>	<b>6</b>	toluidine o-	L	95-53-4	>480	6
ethyl cellosolve acetate	L	111-15-9	>480	6	trichloroacetic acid (80%)	L	650-51-1	>480	6
ethylene diamine	L	107-15-3	>480	6	trichlorobenzene 1,2,4-	L	120-82-1	>480	6
ethylene dibromide	L	106-93-4	>480	6	trichloroethylene	L	79-01-6	42	2
ethylene glycol	L	107-21-1	>480	6	trifluoroacetic acid	L	76-05-1	>480	6
ethylene oxide	G	75-21-8	>480	6	triethylamine	L	121-44-8	>480	6
formaldehyde (37%)	L	50-00-0	>480	6	vinyl acetate	L	108-05-4	>480	6
formic acid (96%)	L	64-18-6	>480	6	xylene (iso-mix)	L	1330-20-7	>480	6
furaldehyde 2-	L	98-01-1	>480	6					
glutaraldehyde (5%)	L	111-30-8	>480	6					
<b>heptane</b>	<b>L</b>	<b>142-82-5</b>	<b>&gt;480</b>	<b>6</b>					