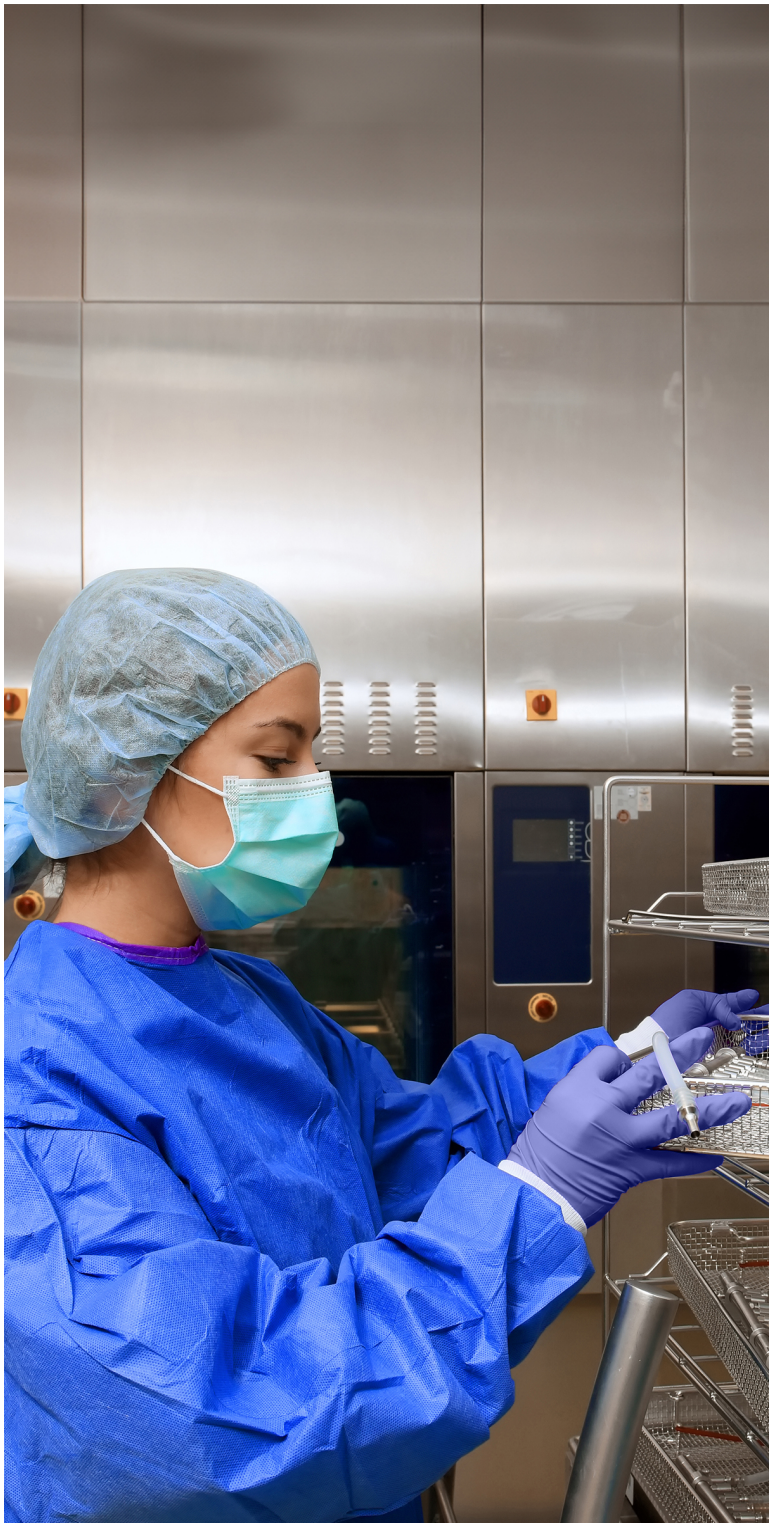
OrgiDybhfZA

AnsellGUARDIAN® Chemical Report

OrgiDybhfZA

August 01, 2025



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Disclaimer

In this report, you will find information related to the barrier performance of the personal protective equipment (PPE) you selected. This information is intended to enable the Health and Safety professional at your organization make more informed decisions about the Ansell PPE that may offer the greatest protection in the intended circumstances and assist with carrying out a risk assessment for your organization.

We wish to highlight that permeation times and penetration data do not equate to safe wear time. Safe wear time may vary depending on whether the PPE is donned correctly, the surrounding temperature, the chemicals' toxicity, and other factors. The test data offered here is limited to the main protective material. Results may vary around seams, zips, visors or any other joins or components of the PPE. It is the responsibility of your organization's Health and Safety professional to undertake a risk assessment before choosing the appropriate PPE for the task at hand. If you want to discuss any aspect in detail, please contact us.

Data is subject to change if new testing is carried out or new information is available. For these reasons, any information in this report is provided for informational purposes only and Ansell fully disclaims any liability including warranties related to any statement contained herein.

Permeation Legend

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

Permeation breakthrough time is the time (in minutes) for the chemical in question to be permeating through the material at a rate of 1.0 µg /cm^2/min (as per EN ISO 374) or 0.1 µg /cm^2/min (as per ASTM F739).

PS = Physical State: A = Aerosol, G = Gas, L = Liquid, P = Paste, S = Solid

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Product Group	: 25-101.201
Brand	: MICROFLEX®
Material	: Neoprene
Thickness (mm)	: 0.13 mm / 5.1 mil

The permeation breakthrough times present in this chart were evaluated according to the EN ISO 374 and ASTM F739 standard. Colored cells with numbers and symbol (C) correspond to experimentally determined data generated by an accredited laboratory.

For inquiries about chemical testing, please contact anselltesting@ansell.com.

CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
95-49-8	2-Chlorotoluene	100.0	L	< 1' C	
122-99-6	2-Phenoxyethanol	3.0	L	22' C	14' C
107-85-7	3-Methylbutylamin	100.0	L	< 10' C	
64-19-7	Acetic acid	100.0	L	17' C	
75-05-8	Acetonitrile	100.0	L	< 5' C	
79-06-1	Acrylamide, aqueous solution	40.0	L	> 480' C	
7664-41-7	Ammonia, gas	100.0	G	< 10' C	< 10' C
1336-21-6	Ammonium hydroxide	25.0	L	9' C	
62-53-3	Aniline	100.0	L	< 10' C	< 10' C
65-85-0	Benzoic Acid, sat. solution	1.0	L	> 480' C	> 480' C
67-66-3	Chloroform	100.0	L	< 5' C	
110-82-7	Cyclohexane	100.0	L	< 5' C	
111-92-2	Dibutylamine	100.0	L	< 10' C	< 10' C
109-89-7	Diethylamine	100.0	L	2' C	
28454-70-8	Diisononylamin	100.0	L	< 10' C	
108-20-3	Diisopropylether	100.0	L	< 1' C	
67-68-5	Dimethyl Sulfoxide	100.0	L	10' C	
927-62-8	Dimethylbutylamine	100.0	L	< 10' C	< 10' C
68-12-2	Dimethylformamide	100.0	L	2' C	
64-17-5	Ethanol	70.0	L	14' C	

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64-17-5	Ethanol	95.0	L	5' C	
141-78-6	Ethyl acetate	100.0	L	1' C	
50-00-0	Formaldehyde	37.0	L	> 480' C	
142-82-5	Heptane	100.0	L	< 5' C	
7647-01-0	Hydrochloric acid	37.0	L	101' C	
7664-39-3	Hydrofluoric Acid	10.0	L	> 480' C	
7664-39-3	Hydrofluoric Acid	49.0	L	29' C	
7722-84-1	Hydrogen peroxide	30.0	L	> 480' C	
78-81-9	Isobutylamine	100.0	L	< 10' C	
27775-00-4	Isononylamin	100.0	L	< 10' C	
67-63-0	Isopropanol	100.0	L	70' C	
67-56-1	Methanol	100.0	L	9' C	
127-19-5	N,N-Dimethylacetamide	100.0	L	4' C	
121-69-7	N,N-Dimethylbenzenamine	100.0	L	< 10' C	< 10' C
109-73-9	n-Butylamine	100.0	L	< 10' C	< 10' C
1126-78-9	N-Butylaniline	100.0	L	< 10' C	< 10' C
110-68-9	N-Butylmethylamine	100.0	L	< 10' C	< 10' C
110-54-3	n-Hexane	100.0	L	< 5' C	
100-61-8	N-Methylaniline	100.0	L	< 10' C	< 10' C
7697-37-2	Nitric acid	70.0	L	29' C	

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CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
95-53-4	o-Toluidine	100.0	L	3' C	
111-86-4	Octylamine	100.0	L	< 10' C	< 10' C
7664-38-2	Phosphoric acid	85.0	L	> 480' C	
88-89-1	Picric acid saturated solution	1.0	L	> 480' C	> 480' C
110-86-1	Pyridine	100.0	L	< 1' C	
1310-73-2	Sodium Hydroxide	40.0	L	> 480' C	
1310-73-2	Sodium Hydroxide, sat. sol.	50.0	L	> 480' C	
7664-93-9	Sulfuric acid	99.0	L	7' C	
127-18-4	Tetrachloroethylene	100.0	L	< 5' C	
7727-15-3	TETSINGT kt	100.0	L	20' C	20' C
108-88-3	Toluene	100.0	L	< 1' C	
102-82-9	Tributylamine	100.0	L	42' C	31' C
121-44-8	Triethylamine	100.0	L	< 5' C	
1330-20-7	Xylene, isomeric mixture	100.0	L	< 5' C	
	Diestone DLS		L	7' C	< 1' C
	HYJET V		L	20' C	20' C
	Skydrol 5		L	41' C	20' C
	Skydrol 500 B Type 4		L	21' C	
	Skydrol LD4		L	21' C	< 1' C