Chemical Compatibility Guide for:

Ansell Microflex 93-260 Gloves

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New Pig
One Pork Avenue
Tipton, PA 16684-0304

newpig.com
North America: **1-800-468-4647**
Europe: **+31 (0)76 596 92 50**
China: **+86-21-400 921 5178**
UK: **0800 919 900**
Outside North America: **+1-814-684-0101**

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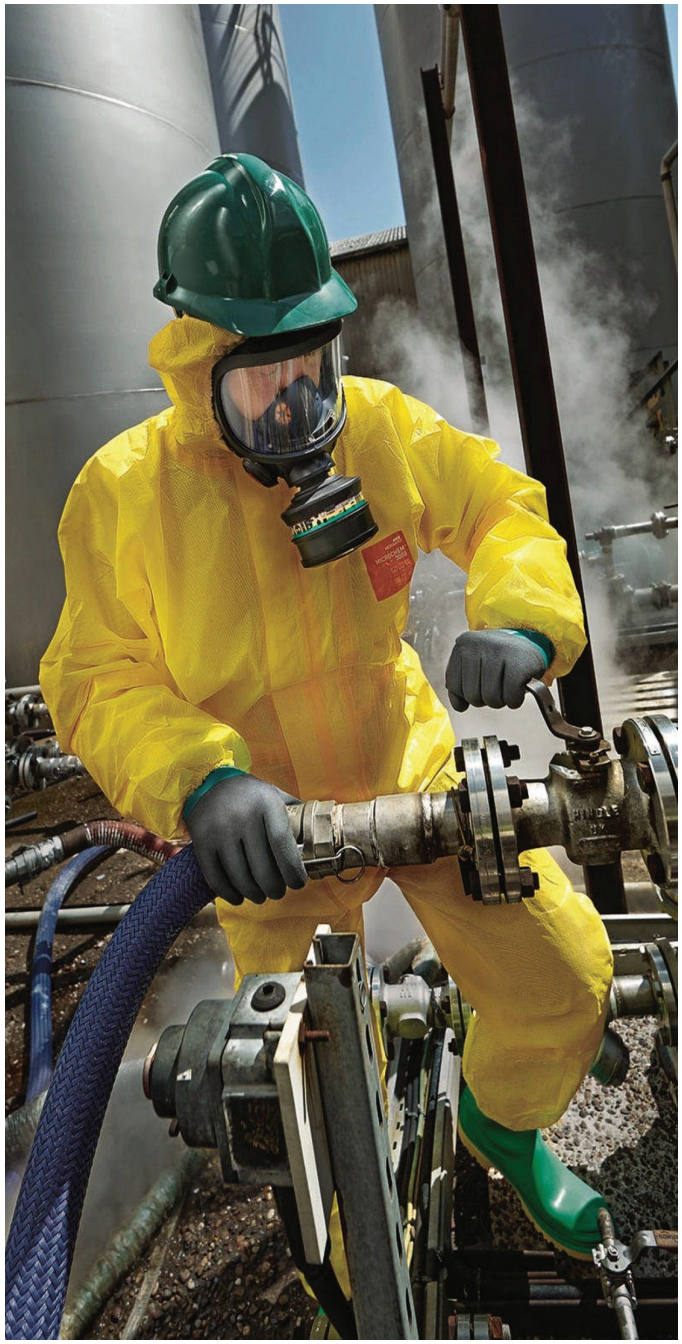
AnsellGUARDIAN® Chemical Report

New Pig

March 18, 2024



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Disclaimer

In this report, you will find information related to the barrier performance of certain personal protective equipment (PPE) against the chemicals 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 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. Permeation information offered here is limited to the main protective material. Permeation times 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.

Estimations of the barrier properties of PPE are based on currently available data and extrapolations from laboratory test results and information regarding the chemicals' composition. Synergistic effects of mixing chemicals have not been accounted for. Estimations are subject to change if new testing is carried out or new information is available providing better grounds for extrapolations. 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.

Legend for Hand Protection

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	: 93-260.360
Brand	: MICROFLEX®
Material	: Nitrile/Neoprene
Thickness (mm)	: 0.20 mm / 7.9 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.

CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
79-00-5	1,1,2-Trichloroethane	100.0	L	4' C	3' C
95-50-1	1,2-dichlorobenzene	100.0	L	7' C	6' C
402-31-3	1,3-Bis(trifluoromethyl)benzene	100.0	L	> 480' C	> 480' C
13048-33-4	1,6-Hexanediol diacrylate	100.0	L	42' C	32' C
107-87-9	2-Pentanone	100.0	L	4' C	3' C
122-99-6	2-Phenoxyethanol	3.0	L	96' C	64' C
51-21-8	5-Fluorouracil (50 mg/ml)	5.0	L		> 240' C
64-19-7	Acetic acid	100.0	L	30' C	30' C
67-64-1	Acetone	100.0	L	3' C	3' C
75-05-8	Acetonitrile	100.0	L	5' C	5' C
107-13-1	Acrylonitrile	100.0	L	3' C	2' C
7664-41-7	Ammonia, gas	100.0	G	> 480' C	24' C
1336-21-6	Ammonium hydroxide	25.0	L	51' C	65' C
71-43-2	Benzene	100.0	L	5' C	5' C
9041-93-4	Bleomycin Sulfate	1.0	L	> 240' C	> 240' C
75-15-0	Carbon disulfide	100.0	L	1' C	1' C
56-23-5	Carbon tetrachloride	100.0	L	39' C	30' C
41575-94-4	Carboplatin	1.0	L		> 240' C
154-93-8	Carmustine (3.3 mg/ml)	0.33	L		69' C
108-90-7	Chlorobenzene	100.0	L	2' C	2' C

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CAS	Chemical Name	%	PS	EN ISO 374	ASTM F739
67-66-3	Chloroform	100.0	L	3' C	2' C
15663-27-1	Cisplatin (1 mg/ml)	0.1	L		> 240' C
108-93-0	Cyclohexanol	100.0	L	> 480' C	> 480' C
108-94-1	Cyclohexanone	100.0	L	10' C	
50-18-0	Cyclophosphamide (20 mg/ml)	2.0	L		> 240' C
4342-03-4	Dacarbazine	1.0	L	> 240' C	> 240' C
23541-50-6	Daunorubicin Hydro chloride	0.5	L	> 240' C	> 240' C
75-09-2	Dichloromethane	100.0	L	2' C	1' C
109-89-7	Diethylamine	100.0	L	6' C	6' C
75-11-6	Diiodomethane	100.0	L	24' C	23' C
67-68-5	Dimethyl Sulfoxide	100.0	L	93' C	93' C
68-12-2	Dimethylformamide	100.0	L	9' C	9' C
25316-40-9	Doxorubicin hydrochloride (2 mg/ml)	0.2	L		> 240' C
64-17-5	Ethanol	100.0	L	130' C	
141-78-6	Ethyl acetate	100.0	L	5' C	4' C
75-04-7	Ethylamine	70.0	L	13' C	13' C
107-21-1	Ethylene Glycol	100.0	L	> 480' C	> 480' C
33419-42-0	Etoposide (20 mg/ml)	2.0	L		> 240' C
437-38-7	Fentanyl	1.0	L		> 240' C
50-00-0	Formaldehyde	37.0	L	> 480' C	> 480' C

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64-18-6	Formic acid	98.0	L	20' C	20' C
82410-32-0	Ganciclovir	1.0	L	> 240' C	> 240' C
142-82-5	Heptane	100.0	L	> 480' C	> 480' C
999-97-3	Hexamethyldisilazane	100.0	L	> 480' C	> 480' C
7647-01-0	Hydrochloric acid	37.0	L	> 480' C	> 480' C
7664-39-3	Hydrofluoric Acid	40.0	L	43' C	
7664-39-3	Hydrofluoric Acid	49.0	L	93' C	84' C
7722-84-1	Hydrogen peroxide	30.0	L	446' C	480' C
57852-57-0	Idarubicin hydro chloride	5.0	L	> 240' C	> 240' C
67-63-0	Isopropanol	100.0	L	380' C	
67-56-1	Methanol	100.0	L	22' C	
78-93-3	Methyl ethyl ketone	100.0	L	3' C	3' C
65271-80-9	Mitoxantrone	0.2	L	> 240' C	> 240' C
71-36-3	n-Butanol	100.0	L	> 480' C	434' C
110-54-3	n-Hexane	100.0	L	> 480' C	
872-50-4	N-Methyl-2-pyrrolidone	100.0	L	7' C	7' C
71-23-8	n-Propanol	100.0	L	200' C	
7697-37-2	Nitric acid	70.0	L	39' C	32' C
7697-37-2	Nitric acid	65.0	L	30' C	
144-62-7	Oxalic acid	100.0	S	> 480' C	> 480' C

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33069-62-4	Paclitaxel (6.0 mg/mL)	0.6	L		> 240' C
79-21-0	Peracetic acid	39.0	L	30' C	30' C
7664-38-2	Phosphoric acid	85.0	L	> 480' C	
65996-93-2	Pitch, coal tar, high-temp.	99.0	P	> 480' C	> 480' C
65996-93-2	Pitch, coal tar, high-temp.	100.0	S	> 480' C	> 480' C
57-55-6	Propylene Glycol	100.0	L	> 480' C	> 480' C
1310-73-2	Sodium Hydroxide	40.0	L	> 480' C	> 480' C
7664-93-9	Sulfuric acid	96.0	L	49' C	
109-99-9	Tetrahydrofuran	100.0	L	3' C	2' C
52-24-4	thiotepa (10mg/ml)	1.0	L		67' C
108-88-3	Toluene	100.0	L	6' C	6' C
26471-62-5	Toluene diisocyanate, mixed isomers	100.0	L	40' C	6' C
79-01-6	Trichloroethylene	100.0	L	4' C	3' C
121-44-8	Triethylamine	100.0	L	> 480' C	287' C
71486-22-1	Vinorelbine	1.0	L	> 240' C	> 240' C
1330-20-7	Xylene, isomeric mixture	100.0	L	12' C	11' C
	Ardrox 2106 HV		L	2' C	1' C
	Ardrox 5515		L	6' C	6' C
	Diestone DLS		L	41' C	43' C
	Diestone SR		L	5' C	4' C

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	Divinol CAF		L	> 480' C	> 480' C
	Gastric Acid		L		> 240' C
	HYJET V		L	104' C	11' C
	Phenol (CAS#108-95-2, 45 C, molten)		L	< 6' C	< 6' C
	Seevenax Primer 113-22		L	12' C	
	Skydrol 5		L	247' C	219' C
	Skydrol 500 B Type 4		L	129' C	
	Skydrol LD4		L	132' C	26' C
	Skydrol PE5		L	106' C	65' C