

Permeation breakthrough times and degradation data according to EN ISO 374:2016

AlphaTec® 53-001

	Chemical agent	CAS Number	Breakthrough Time (min)	Protection Index	Degradation (%)	Part
	Acetonitrile	75-05-8			32	Cổ găng tay
	Acetonitrile	75-05-8	78	3	36.6	Lòng bàn tay
	Amoni Hydroxit, 25%	1336-21-6			23.8	Cổ găng tay
	Amoni Hydroxit, 25%	1336-21-6	382	5	-21.7	Lòng bàn tay
	Axit Acetic, 99%	64-19-7			25.1	Cổ găng tay
	Axit Acetic, 99%	64-19-7	424	5	0.7	Lòng bàn tay
	Axit Hydrofluoric, 40%	7664-39-3	> 480	6	10	Lòng bàn tay
	Axit Nitric, 65%	7697-37-2			10.5	Cổ găng tay
	Axit Nitric, 65%	7697-37-2	> 480	6	-7.6	Lòng bàn tay
	Axit Sunfuric, 96%	7664-93-9			29.2	Cổ găng tay
	Axit Sunfuric, 96%	7664-93-9	236	4	4.4	Lòng bàn tay
	Diethylamine	109-89-7			48.1	Cổ găng tay
	Diethylamine	109-89-7	47	2	45.1	Lòng bàn tay
	Focmandehit, 37%	50-00-0			14.2	Cổ găng tay
	Focmandehit, 37%	50-00-0	> 480	6	5.4	Lòng bàn tay
	Heptan	142-82-5			9.4	Cổ găng tay
	Heptan	142-82-5	> 480	6	3.3	Lòng bàn tay
	Hydro Peroxit, 30%	7722-84-1			11.7	Cổ găng tay
	Hydro Peroxit, 30%	7722-84-1	> 480	6	-17.9	Lòng bàn tay
	Methanol	67-56-1			31.5	Cổ găng tay
	Methanol	67-56-1	264	5	6.2	Lòng bàn tay
	Natri Hydroxit, 40%	1310-73-2			3.9	Cổ găng tay
	Natri Hydroxit, 40%	1310-73-2	> 480	6	-15.3	Lòng bàn tay
	Toluen	108-88-3			47.1	Cổ găng tay
	Toluen	108-88-3	35	2	40.9	Lòng bàn tay

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0	1	2	3	4	5	6
< 10	10-30	30-60	60-120	120-240	240-480	> 480
Not recommended	Splash protection		Medium protection		High protection	
Data given in the table above are based on results of laboratory tests performed on the palm or cuff area of the glove. These tests were run using standard test methods that may not adequately replicate any specific conditions of end use. 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. Because Ansell has no detailed knowledge or control over the conditions of end use, any of these data must be advisory only, and Ansell must decline any liability.						

Ansell Healthcare Europe N.V.

Riverside Business Park, Block J
 Boulevard International 55, 1070 Brussels, Belgium
 Tel. +32 (0) 2 528 74 00 Fax +32 (0) 2 528 74 01
<http://www.ansell.eu> E-mail info.europe@ansell.com

