

Statement regarding Chemical Resistance for Gloves

Product reference: NRL, Nitrile and Vinyl gloves.

Chemicals tested in accordance with EN 374-3 "Determination of resistance to permeation by chemicals"

Classification of Glove Levels According to Breakthrough time

Breakthrough Time (mins)*	Types of Level
< 10	Class 0
> 10	Class 1
> 30	Class 2
> 60	Class 3
> 120	Class 4
> 240	Class 5
> 480	Class 6

*The breakthrough time is deemed to have occurred when the analytical equipment detects a permeation rate of $1\mu\text{g}/\text{cm}^2/\text{min}$

Determination of resistance to permeation by chemicals [minutes]

	NRL	Nitrile	Vinyl	Sampling type
Acetone	< 10	< 10	< 10	2
Acetone	1	1	<1	1
Benzinum medicinale	<1	58	<1	1
Formaldehyde 37%	> 480	> 480	< 10	2
Ethanol 70%	4	30	1	1
Ethanol 76%	> 60	> 60		2
Isopropanol	3,5	55	1	1
Methanol	> 30	> 10		2
Methanol	2	4	<1	1
Sodium Hydroxide 40%	> 480	> 480		2
Xylene	1	2	<1	1

1. Continuously sampling of collecting medium (nitrogen)
2. Collecting medium (ultrapure water) were sampled and analysed at 10min, 30min, 60min, 120min, 240min and 480min. The extracts were then analysed by Gas Chromatography.

With Kind Regards,



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