



Permeation of selected chemicals

Product:	Peha-soft nitrile fino
Type of product:	qualified as examination glove and as personal protection equipment category III, latex-free, powder free, non-sterile
Date:	15.05.2017
Ref:	9421954 / 9421964 / 9421974 / 9421984 / 9421994

Based on permeation of selected chemicals (executed by an external accredited test laboratory using test procedures defined in EN 16523-1 supersedes EN 374 part 3, both are still valid) following typical results for **Peha-soft nitrile fino** can be provided:

Chemical „IUPAC“	CAS Number	Performance level / protection index	Break through time [min]*
Acetic Acid 10 %	64-19-7	3	> 60 minutes
Benzalkonium chloride	63449-41-2	6	> 480 minutes
Chlorhexidine 4 %	18472-51-0	6	> 480 minutes
Cyclohexanol	108-93-0	1	> 10 minutes
Ethanol 35 %	64-19-7	0	6 minutes
Ethanol 70 %	64-19-7	0	1 minute
Ethanol 80 %	64-19-7	0	2 minutes
Ethidium Bromide, saturated	1239-45-8	6	> 480 minutes
Formaldehyde 10 %	50-00-0	6	> 480 minutes
Formaldehyde 35 - 37 %	50-00-0	6	> 480 minutes
Glutaric Aldehyde 10 %	111-30-8	6	> 480 minutes
Hydrochloric Acid 25 %	7647-01-0	6	> 480 minutes
Hydrogen Peroxide 3 %	7722-84-1	6	> 480 minutes
Hydrogen Peroxide 30 %	7722-84-1	2	> 30 minutes
Isopropanol	67-63-0	0	6 minutes
Povidone Iodine 10%	25655-41-8	5	> 240 minutes
n-Heptane	142-82-5	0	8 minutes
n-Hexane	110-54-3	0	7 minutes
Sodium Hydroxide 40 %	1310-73-2	6	> 480 minutes
Sulphuric Acid 50 %	7664-93-9	6	> 480 minutes
1,2-Dichloroethane	107-06-2	0	< 1 minute

* Hartmann wants to inform that the duration of protection under actual "in-use"-circumstances may vary considerable from these performance levels as the values for the permeation test results are based on tests performed in laboratory under fixed conditions. Before use, please check gloves for physical damage. Recommendation on chemical resistance is not part of the specification.

** No testings' against EN16523-1 yet, therefore EN 374 part 3 is still valid



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Chemotherapy Drugs	Performance level / protection index	Break through time [min]*
Carmustine (BCNU)	6	> 480 minutes
Cisplatin	6	> 480 minutes
Cyclophosphamide	6	> 480 minutes
Dacarbazine	6	> 480 minutes
Doxorubicin Hydrochloride	6	> 480 minutes
Ellence	6	> 480 minutes
Etoposide (Toposar)	6	> 480 minutes
Fluorouracil	6	> 480 minutes
Ifosfamide	6	> 480 minutes
Methotrexate	6	> 480 minutes
Mitomycin C	6	> 480 minutes
Mitoxantrone	6	> 480 minutes
Paclitaxel (Taxol)	6	> 480 minutes
Thiotepa	6	> 480 minutes
Vincristine Sulfate	6	> 480 minutes

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BODE disinfectants and detergents	Performance level / protection index	Break through time [min]*
Baccalin 100 %	6	> 480 minutes
Bacillol 30 foam	0	4 minutes
Dismofix G 1 %	6	> 480 minute
Dismofix G 100%	0	1 minute
Dismozon plus 0.4 %	6	> 480 minutes
Dismozon plus 3,6 %	6	> 480 minutes
Dismozon pur 100 %	6	> 480 minutes
Dismozon pur 4 %	6	> 480 minutes
Kohrsolin extra (glutaraldehyde) 0,5 %	6	> 480 minutes
Kohrsolin extra (organic solvents) 0,5 %	6	> 480 minutes
Kohrsolin extra (glutaraldehyde)100 %	4	>120 minutes
Kohrsolin extra (organic solvents)100 %	0	2 minutes
Kohrsolin FF 100 %	6	> 480 minutes
Korsolex basic 100%	6	> 480 minutes
Korsolex basic 5 %	6	> 480 minutes
Korsolex extra (glutaraldehyde) 100 %	4	> 120 minutes
Korsolex extra (organic solvents) 100%	1	> 10 minutes
Korsolex extra (glutaraldehyde) 4 %	6	> 480 minutes
Korsolex extra (organic solvents) 4 %	6	> 480 minutes
Korsolex med AF 100 %	6	> 480 minutes

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Mikrobac food 100 %	6	> 480 minutes
Mikrobac forte 100%	6	> 480 minutes
Mikrobac tissues	6	> 480 minutes

Please consider that the usage of products which are qualified as Personal Protective Equipment (PPE) is mandatory for certain fields of work for proper protection of the user.

Permeation performance Level	Break through time [min]*
1	> 10 minutes
2	> 30 minutes
3	> 60 minutes
4	> 120 minutes
5	> 240 minutes
6	> 480 minutes

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