



RUBBEREX

Chemical Resistance Guide

Data shown from the following charts are the results of laboratory test as per ASTM/EN standard and are intended to serve as a guide only. The data is obtained from samples collected randomly.

The data is not an absolute basis for glove selection as testing was done in strict laboratory conditions. Actual working conditions may dictate the performance of the product. Factors such as glove reuse, thermal conditions, chemical mixtures, abrasion, cuts and punctures may also affect the performance of the glove.

It is also noted that permeation and degradation do not always correlate. A glove may have a good result in permeation breakthrough time but it may degrade (swell, gets weaker or softer) easily, thus rated P/NR. There are cases whereby the glove may be badly damaged by the chemical, in this case permeation breakthrough time is not applicable as the glove will not offer any protection to the end use. End users are advised to do their own evaluation when selecting a glove for a specific application in an actual working condition.

This chart does not serve as a warranty for the performance of the glove in any specific work application.

Green Nitron Gauntlet RNU 22-18

CHEMICAL	EN 374-3 Class Index	Avg-BTT (min)	% degradation	Performance Rating
Hydrazine 65%	6	>480	5	E
Hydrochloric Acid 38%	6	>480	3	E
Hydrofluoric Acid 48%	6	>480	8	E
Hydrogen Peroxide 30%	6	>480	4	E
Hydroquinone Sat	6	>480	7	E
Isobutyl Alcohol 99%	6	>480	22	F
Isopropyl Alcohol 70%	6	>480	4	E
Methyl Alcohol 99%	4	199	11	G
Methyl Butyl Ketone 98%	1	36	60	NR
Methyl Cellosolve 99%	4	210	23	F
Methyl Ethyl Ketone 99%	0	9	74	NR
Methylamine 40%	6	>480	4	E
Nitric Acid 70%	3	110	44	P
Nitromethane 99%	1	15	64	NR
Nitropropane 99%	1	20	70	NR
Pentachlorophenol 36%	6	>480	4	E
Phenol 90%	3	102	76	NR
Propyl Acetate 99%	2	47	49	P
Sulfuric Acid 47%	6	>480	3	E
Tannic Acid 37.5%	6	>480	3	E
Tetrachloroethylene 99%	5	>419	16	G
Toluene 99%	2	42	55	NR
Turpentine 100%	6	>480	6	E
Xylene 98%	3	98	46	P

E Excellent **G** Good
F Fair **P** Poor
NR Not recommended

BTT – Breakthrough time
 EN 374-3 – European Union
 Chemical Permeation
 Standard

EN Class Index	BTT(min)
0	< 10
1	> 10
2	> 30
3	> 60
4	> 120
5	> 240
6	> 480

NOTE: DATA IN THIS GUIDE REFERS TO RUBBEREX RNU 22-18 GREEN NITRON ONLY.
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RUBBEREX (M) SDN. BHD. (81107-V)
FILREX (MALAYSIA) SDN. BHD. (216855-X)
 Lot 138201, Off 1 mile, Jalan Bercham, Kawasan Perindustrian Bercham,
 31400 Ipoh, Perak, Malaysia.
 Tel No.: 006-05-5482723 Fax No.: 006-05-5482726, 006-05-5486491
 Email address: rmsb@po.jaring.my Homepage: www.rubberex.com.my

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