

DEGRADATION & PERMEATION TEST DATA

CHEMICAL	NITRILE GLOVES RNF-18			
	EN 374 Class Index	Avg. BTT/Min	Avg. Max Detectable Prmt rate / $\mu\text{g} / \text{cm}^2 \cdot \text{Min}$	Avg. Degrd. Rate
1. Acetic Acid, 99+%	3	97	76*	NR
2. Acetonitrile, 99+%	1	<15	425	NR
3. Acrylic Acid, 99%	3	73	15.2	NR
4. Ammonium Hydroxide, 85%	6	>480	<0.016	G
5. Amyl Acetate, 100%	5	242	6.9	NR
6. Butyl Acetate, 99%	2	46	59	NR
7. Carbon Disulfide, 99.9%	1	11	•	NR
8. Cellosolve Acetate, 99+%	2	44	210	NR
9. Diacetone Alcohol, 99%	6	>480	0.008	NR
10. Diethylamine, 99+%	1	19	•	P
11. Ethyl Ether, 99.8%	2	37	242	F
12. Ethyl Glycol Ether, 99%	2	43	142	P
13. Formic Acid, 95%	2	55	>16	NR
14. Freon TF, 99+%	6	>480	<0.03	E
15. Hydrazine, 98%	6	>480	0.029	G
16. Lauric Acid, 36%	6	>480	<0.05	P
17. Methyl Alcohol, 99.9+%	2	48	50	F
18. Methyl Cellosolve, 99%	2	38	62*	NR
19. Methyl t-Butyl Ether, 99.8%	5	>408	26	E
20. Nitromethane, 95.5%	0	7	•	NR
21. Palmitic Acid, Sat	6	>480	<0.05	G
22. Pentachlorophenol, 36% (In ethanol)	6	>480	<0.016	NR
23. Propyl Acetate, 99%	1	26	•	NR
24. Tannic Acid, 37.5%	6	>480	<0.016	G
25. 1,1,2,2-Tetrachloroethane, 99%	2	45	29	NR
26. Tetrachloroethylene, 100%	5	413	0.18	P
27. Toluene, 99+%	1	23	•	NR
28. Xylene, 99%	3	62	57*	NR

- _____ Catastrophic Breakthrough
- Avg. _____ Average
- BTT _____ Breakthrough Time
- Prmt _____ Permeation
- Degrd. _____ Degradation
- EN 374 Class _____ European Classification
- Min _____ Minutes
- * _____ These rates may be artificially lower due to detector saturation

En 374 Class	Permeation Time (Minutes)
0	<10 min.
1	>10 min.
2	>30 min.
3	>60 min.
4	>120 min.
5	>240 min.
6	>480 min.

KEY TO DEGRADATION RATING

% Weight Change (Gain)	Degradation Rating	Code
0 to 10	Excellent	E
11 to 20	Good	G
21 to 30	Fair	F
31 to 50, or small loss	Poor	P
Above 50	Not Recommended	NR

*NR - Avoid use of the gloves with this chemical

NOTE: DATA IN THIS GUIDE REFERS TO RUBBEREX NITRILE GLOVES RNF-18 ONLY

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