

DEGRADATION & PERMEATION TEST DATA

CHEMICAL	HD-27			
	EN 374 Class Index	Avg. BT/Min	Avg. Max Detectable Prmt rate / µg / cm²* Min	Avg. Degr. Rate
1. Acetaldehyde, 99.5%	0	<3	655	F
2. Acetic Acid, 100%	2	54	15	G
3. Acetone, 99.5%	1	10	64	G
4. Acetonitrile, 99%	1	25	6.9	P
5. Ammonium Hydroxide, 28-30%	1	30	1.3	E
6. Aniline, 99%	2	54	13	E
7. Benzaldehyde, 99.5%	1	20	59.5	NR
8. Butyl Cellosolve, 99%	1	30	660*	G
9. Cellosolve Acetate, 99+%	1	23	61	F
10. Citric Acid, 10%	6	>480	<0.016	E
11. Cyclohexanol, 98%	4	156	3	E
12. Diacetone Alcohol, 99%	2	57	185	E
13. 1,4-Dioxane, 99.9%	1	23	50	P
14. Dimethyl Acetamide, 99+%	2	60	103	G
15. Epichlorohydrin, 99+%	1	14	311	G
16. Ethyl Acetate, 99+%	0	6	101	NR
17. Ethyl Ether, 99+%	0	<3	•	NR
18. Ethyl Glycol Ether, 99%	2	42	32.5	E
19. Furfural, 99%	1	21	•	E
20. Hydrofluoric Acid, 48%	6	>480	<0.082	E
21. Hydroquinone, Sat	6	>480	<0.03	E
22. Iso-Octane, 99%	1	23	60	NR
23. Isopropyl Alcohol, 99%	2	58	4.6	E
24. Methylamine, 40%	2	38	60.4	E
25. Methyl Ethyl Ketone, 99%	0	6	•	F
26. N-Methyl-2-Pyrrolidone, 99%	3	67	8.7*	E
27. Nitrobenzene, 99%	1	12	71*	NR
28. Nitropropane, 95.5%	1	17	61	G
29. Phenol, 90%	3	82	20	E
30. Pyridine, 99%	0	9	•	NR
31. Toluene, 99+%	0	3	+	NR

- _____ Catastrophic Breakthrough.
- Avg. _____ Average.
- BTT _____ Breakthrough Time.
- Prmt _____ Permeation.
- Degr. _____ Degradation.
- EN 374 Class _____ European Classification.
- Min _____ Minutes.
- * _____ These rates may be artificially lower due to detector saturation.
- + _____ No rate available due to detector overload, or beyond range of standard curve.

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	
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 GLOVES HD-27 ONLY
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* Permeation Testing