

DEGRADATION & PERMEATION TEST DATA

heveaprene HP-300 gloves

CHEMICAL	HEVEAPRENE GLOVES		HP-300	
	EN 374 Class Index	Avg. BTT/Min	Avg. Max Detectable Prmt rate / $\mu\text{g} / \text{cm}^2 \cdot \text{Min}$	Avg. Degr. Rate
1. Acetaldehyde, 99%	0	3	>600	F
2. Acetic Acid, 99%	2	55	16	G
3. Acetone, 99%	0	9	42	G
4. Acetonitrile, 99%	1	25	6.2	E
5. Acrylic Acid, 99%	2	44	17	P
6. Ammonium Fluoride, 40%	6	>480	<0.012	E
7. Ammonium Hydroxide, 28%	1	30	+	E
8. Amyl Acetate, 99%	1	13	16*	NR
9. Aniline, 99%	3	61	23*	G
10. Aqua Regia	6	>480	<0.016	E
11. Benzaldehyde, 99%	1	19	15	NR
12. Butyl Acetate, 99%	0	10	31*	NR
13. Butyl Alcohol, 99%	2	48	6	E
14. Butyl Cellosolve, 99%	1	25	1200	G
15. Carbon Disulfide, 99%	0	<3	+	NR
16. Carbon Tetrachloride, 99%	1	12	+	NR
17. Cellosolve Acetate, 99%	1	14	46*	P
18. Cellosolve Solvent, 99%	1	28	36	G
19. Chromic Acid, 50%	1	15	•	NR
20. Citric Acid, 10%	6	>480	<0.012	E
21. Cyclohexanol, 99%	4	146	0.52	E
22. Diacetone Alcohol, 99%	3	84	5.1	E
23. Dibutyl Phthalate, 99%	6	>480	<0.02	G
24. Diisobutyl Ketone, 80%	1	23	135	NR
25. Dimethyl Acetamide, 99%	2	36	72*	G
26. Dimethyl Formamide, 99%	2	40	96	E
27. Dioctyl Phthalate, 99%	6	>480	<0.03	E
28. 1,4 Dioxane, 99%	1	18	93	NR
29. Epichlorohydrin, 99%	1	15	20	F
30. Ethyl Acetate, 99%	0	6	60	NR
31. Ethyl Ether, 99.8%	0	<3	+	NR
32. Ethyl Glycol Ether, 99%	2	32	25	E
33. Formic Acid, 95+%	5	250	0.36	E
34. Furfural, 99%	1	19	17	G

- _____ 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



* Permeation Testing