

# Rubberex Chemical Resistance Guide

HP-300

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. Degrtd. Rate
35. Hexamethyl Disilazine, 97%	2	38	16	NR
36. Hydrochloric Acid, 37%	1	25	0.49	E
37. Hydrofluoric Acid, 48%	6	>480	<0.059	E
38. Hydrogen Peroxide, 30%	6	>480	<0.002	E
39. Iso-Octane, 99%	1	17	46*	NR
40. Isopropyl Alcohol, 99%	2	44	2.9	E
41. Isobutyl Alcohol, 99.8%	2	45	1.9	E
42. Kerosene, 100%	1	30	27*	NR
43. Lactic Acid, 85%	6	>480	<0.012	G
44. Lauric Acid, 36%	6	>480	<0.05	G
45. Maleic Acid, Sat	6	>480	<0.03	E
46. Methyl Alcohol, 99%	1	18	3.4	E
47. Methyl Ethyl Ketone, 99%	0	<3	+	P
48. Methyl Propyl Ketone, 97%	0	6	+	NR
49. Murlatic Acid, 37%	1	25	0.49	E
50. 1-Methyl-2-Pyrrolidine, 99%	3	94	16	G
51. Nitric Acid, 70%	4	220	•	F
52. Nitrobenzene, 99%	0	10	61	NR
53. Nitropropane, 98%	1	12	29	F
54. Octyl Alcohol, 99%	3	118	6.6	G
55. Oleic Acid, 99%	6	>480	<0.006	F
56. Oxalic Acid, 12.5%	6	>480	<0.012	E
57. Palmitic Acid, Sat	6	>480	<0.05	E
58. Pentachlorophenol, 36% in Ethanol	6	>480	<0.03	G
59. Perchloric Acid, 60%	6	>480	<0.012	E
60. Phenol, 90%	3	84	16	E
61. Phosphoric Acid, 85%	6	>480	<0.016	E
62. Propyl Alcohol, 99%	2	58	5.4	E
63. Pyridine, 99%	1	19	49*	NR
64. Sulphuric Acid, 47%	6	>480	<0.016	E
65. Sulphuric Acid, 95%	4	180	>16*	E
66. Tannic Acid, 10%	6	>480	<0.016	E
67. Toluene, 99+%	0	9	44*	NR

Data shown from the following charts are the results of laboratory test as per ASTM / EN standards and are intended to serve as a guide only. The permeation rate and breakthrough time are arrived at the average data obtained from the testing of newly produced glove samples selected on a random basis. The permeation break through time is correlated with the class index of the EN 374.

This test data is not an absolute basis for glove selection as testing was done strictly in controlled laboratory conditions. Actual working conditions may dictate the performance of the product. Factors such as glove reuse, thermal conditions, chemical mixtures, the products resistance to 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 a 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-user. Therefore, when selecting a glove for its specific application, you must do your own evaluation based on actual working conditions. Rubberex (M) Sdn. Bhd. will provide a glove sample for the testing of its suitability in a specific job upon request.

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



NOTE: DATA IN THIS GUIDE REFERS TO RUBBEREX HEVEAPRENE GLOVES HP-300 ONLY  
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