

RESISTANCE TO SELECTED CHEMICALS

at room temperature

1-resistant • 2-largely resistant • 3-fairly resistant • 4-non-resistant • 5-labile to dissolve

POLYURETHANE

NYLON

Medium (aq=in an aqueous solution)

1 Acetic acid	3	4
2 Acetic acid anhydride	4	1
3 Acetone	4	1
4 Aluminium salts, aq	2	1
5 Alums, aq	1	1
6 Aminobenzoic acid	4	2
7 Ammonia, aq	4	1
8 Ammonia, g	1	1
9 Ammonium acetate, aq	4	1
10 Ammonium carbonate, aq	4	1
11 Ammonium chloride, aq	1	1
12 Ammonium nitrate, aq	1	1
13 Ammonium phosphate, aq	1	1
14 Ammonium sulfate, aq	1	1
15 Amyl alcohol	2	1
16 Antifreeze	2	1
17 Barium salts	1	1
18 Battery acid	1	3
19 Beef tallow	1	1
20 Beer	1	1
21 Benzaldehyde	3	1
22 Benzoic acid	4	1
23 Benzoic acid, aq	4	1
24 Bone fat	1	1
25 Boric acid	1	1
26 Brake fluid	4	1
27 Bromine, aq	4	4
28 Bromine, l	4	4
29 Butane, g	1	1
30 Butane, l	1	1
31 n-Butanol	4	1
32 n-Butyl alcohol	4	4
33 Butylacetate (acetic acid butyl ester)	4	1
34 Butylacetate	4	1
35 Calcium chloride, aq	1	1
36 Calcium nitrate, aq	1	1
37 Carbon disulfide	3	1
38 Carbon tetrachloride	3	1
39 Carnation oil	1	1
40 Chlorine, g	4	4
41 Chlorine, l	4	4
42 Chlorobenzoic acid	3	3
43 Chloroform	4	3
44 Chlorosulfonic acid	4	4
45 Chrome bath	3	4
46 Chromic acid	4	4
47 Chromosulfuric acid	3	4
48 Chromium salts	3	1
49 Citric acid	2	1
50 Cleaner	1	1
51 Coca-Cola®	1	1
52 Cocoa	1	1
53 Coconut oil	1	1
54 Cod-liver oil	1	1
55 Coffee	1	1
56 Cooking oil, animal	2	1
57 Cooking oil, vegetable	2	1
58 Corn oil	2	1
59 Cresol	4	4
60 Cresol, aq	4	3
61 Cyclohexane	2	1
62 Cyclohexanol	4	1
63 Cyclohexanone	1	1
64 Decalin®	2	1
65 Detergent	1	1
66 Dibutyl phthalate	3	1

Medium (aq=in an aqueous solution)

67 Diesel fuel	1	1
68 Dimethylether	2	1
69 Dimethylformamide	4	1
70 1,4-Dioxane	4	1
71 Engine oil	2	1
72 Ethanol	1	1
73 Ether	3	1
74 Ethyl acetate	4	1
75 Ethylene chloride	2	3
76 Ethylhexanol	4	1
77 Ferric salts	2	1
78 Fizzy drink	1	1
79 Formaldehyde, aq	2	3
80 Formaline	2	3
81 Formic acid	4	4
82 Fruit juice	1	1
83 Fuel	2	1
84 Fuel oil	1	1
85 Gin	1	1
86 Glycerine	1	1
87 Glycol	2	1
88 Heptane	2	1
89 Hexane	2	1
90 Honey	1	1
91 Hydrochloric acid (up to 20%)	2	4
92 Hydrochloride, g	2	4
93 Hydrogen peroxide, aq	2	2
94 Ink	1	1
95 Isooctane	1	1
96 Isopropanol	3	1
97 Jelly	1	1
98 Lactic acid	3	2
99 Lanolin	1	1
100 Lemon juice	1	1
101 Linseed oil	1	1
102 Liquors	1	1
103 Magnesium salts, aq	1	1
104 Margarine	1	1
105 Mercury	1	1
106 Mercury salts, aq	1	1
107 Methanol	2	1
108 Methyl ethyl ketone	4	1
109 Methylene chloride	4	3
110 Milk	1	1
111 Mustard	1	1
112 Nail varnish	4	1
113 Nail varnish remover	4	1
114 Naphthalin	1	1
115 Nickel salts, aq	1	1
116 Nitric acid (up to 25%)	5	4
117 Nitrobenzoic acid	4	2
118 Octane	1	1
119 Oil no. 3 (ASTM D 390-59)	1	1
120 Oleic acid	1	2
121 Olive oil	1	1
122 Oxalic acid, aq	4	2
123 Ozone (<0.5ppm)	1	1
124 Palm oil	2	1
125 Paraffin	2	1
126 Paraffin ether	1	1
127 Paraffin oil	2	1
128 Paraffin oil (petroleum jelly)	2	1
129 Pectin	1	1
130 Pepper	1	1
131 Peppermint oil	1	1
132 Perfume	1	1

Medium (aq=in an aqueous solution)

133 Phenol	4	4
134 Phosphoric acid	3	4
135 Phosphorus pentoxide	2	3
136 Pine needle oil	2	1
137 Potassium carbonate	3	1
138 Potassium chlorate, aq	2	2
139 Potassium chloride, aq	1	1
140 Potassium chromate, aq	1	3
141 Potassium hydroxide, aq	1	1
142 Potassium iodine, aq	2	1
143 Potassium nitrate, aq	2	1
144 Potassium permanganate, aq	3	3
145 Potassium sulfate	1	1
146 Propane, g	2	1
147 Propane, l	2	1
148 Pyridine	5	1
149 Rum	1	1
150 Sea water	1	1
151 Shampoo	1	1
152 Silicon oil	1	1
153 Silver salts, aq	1	1
154 Soapy water	2	1
155 Soda	1	1
156 Sodium bicarbonate, aq	1	1
157 Sodium bisulfite, aq	2	1
158 Sodium carbonate (borax), aq	1	1
159 Sodium carbonate, aq	1	1
160 Sodium chlorate	2	2
161 Sodium chloride, aq	1	1
162 Sodium hydroxide (caustic soda)	4	1
163 Sodium hydroxide, aq	2	1
164 Sodium hypochlorite	4	3
165 Sodium nitrate, aq	1	1
166 Sodium nitrite, aq	1	2
167 Sodium perborate, aq	2	1
168 Sodium phosphate, aq	2	1
169 Sodium silicate	3	1
170 Sodium sulfate, aq	1	1
171 Sodium sulfide, aq	1	1
172 Sodium sulfite, aq	1	1
173 Sodium thiosulfate	2	1
174 Sodium thiosulfate (antichlor), aq	2	1
175 Soybean oil	2	1
176 Spruce needle oil	2	1
177 Starch	1	1
178 Stearic acid	1	2
179 Sugar, aq	1	1
180 Sulfur	1	1
181 Sulfuric acid (concentrated)	4	4
182 Sulfuric acid (up to 50%)	2	4
183 Sulfur dioxide, g	3	1
184 Tar (hot tar)	4	1
185 Tartaric acid, aq	1	1
186 Tea	1	1
187 Tetrahydrofuran	4	1
188 Tetralin® (tetrahydronaphthalene)	2	1
189 Tin dichloride	1	1
190 Toluene	4	1
191 Trichloroethylene	4	2
192 Turpentine (oil of)	4	1
193 Urea, aq	1	1
194 Vanilla	1	1
195 Vaseline	1	1
196 White spirit	1	1
197 Wine	1	1
198 Xylene	4	1

This table has been compiled on the basis of in-house tests, the recommendations of our raw material suppliers, and customer experience. Differences in user environments will affect the performance characteristics of the product in different ways. The ratings

given above are therefore approximative only. If the product is being used in a particular setting for the first time, it is advisable to test the product in the proposed environment, especially if it will be coming into contact with combinations of substances.