

## 7. Chemical resistance

| Material             | Concentration | Resistance at +23 °C |  | Material         | Concentration | Resistance at +23 °C |
|----------------------|---------------|----------------------|--|------------------|---------------|----------------------|
| Acetic acid          |               | ●●                   |  | Milk             |               | ●●●                  |
| Acetone              |               | ●●●                  |  | Mineral oil      |               | ●●●                  |
| Acetylene            |               | ●●●                  |  | Naphthaline      |               | ●●●                  |
| Aluminium salts      | aqueous       | ●●●                  |  | Nitric acid      |               | ○                    |
| Ammonia              | aqueous       | ●●●                  |  | Nitrobenzene     |               | ●●                   |
| Amylacetate          |               | ●●                   |  | Oils             |               | ●●●                  |
| Aniline              |               | ●●●                  |  | Oleic acid       |               | ●●●                  |
| Antifreeze           |               | ●●●                  |  | Oleum            |               | ○                    |
| Benzene              |               | ●●●                  |  | Oxalic acid      |               | ●●●                  |
| Benzine              |               | ●●●                  |  | Oxygen           |               | ●●●                  |
| Benzyl alcohol       |               | ●                    |  | Ozone            |               | ●                    |
| Bromine              |               | ●                    |  | Paraffin oil     |               | ●●●                  |
| Butane               |               | ●●●                  |  | Perchlorethylene |               | ●●●                  |
| Butanol              |               | ●●●                  |  | Petroleum        |               | ●●●                  |
| Carbon tetrachloride |               | ●●                   |  | Petroleum ether  |               | ●●●                  |
| Caustic potash       | 10%           | ●●●                  |  | Phenol           |               | ●                    |
| Caustic potash       | 50%           | ●●●                  |  | Potash           |               | ●●●                  |
| Chlorobenzene        |               | ●                    |  | Propane          |               | ●●●                  |
| Chlorine             |               | ○                    |  | Pyridine         |               | ●●●                  |
| Chloroform           |               | ●                    |  | Salicylic acid   |               | ●●●                  |
| Citric acid          |               | ●●                   |  | Sea water        |               | ●●●                  |
| Copper sulphate      |               | ●●●                  |  | Silicon oils     |               | ●●●                  |
| Cresol               |               | ○                    |  | Soap suds        |               | ●●●                  |
| Decalin              |               | ●●●                  |  | Soda             | 10%           | ●●●                  |
| Eatible fat          |               | ●●●                  |  | Soda             | 50%           | ●●●                  |
| Engine oil           |               | ●●●                  |  | Sodium chloride  | saturated     | ●●●                  |
| Ethanol              |               | ●●●                  |  | Sodium hydroxide | 10%           | ●●●                  |
| Ether                |               | ●●●                  |  | Sodium hydroxide | 50%           | ●●●                  |
| Ethyl acetate        |               | ●●●                  |  | Sodium silicate  |               | ●●●                  |
| Ethylene oxide       |               | ●●●                  |  | Sodium sulphate  | concentrated  | ●●●                  |
| Fats                 |               | ●●●                  |  | Starch           |               | ●●●                  |
| Fluorine gas         |               | ●                    |  | Stearic acid     |               | ●●●                  |
| Formaldehyde         |               | ●●                   |  | Stearin          |               | ●●●                  |
| Formic acid          | concentrated  | ●                    |  | Styrene          |               | ●●●                  |
| Frigen               | liquid F12    | ●●●                  |  | Sulphur dioxide  |               | ●●                   |
| Frigen               | liquid F22    | ●                    |  | Sulphuric acid   | 10%           | ●●                   |
| Fuel                 |               | ●●●                  |  | Sulphuric acid   | concentrated  | ●                    |
| Glycerine            |               | ●●●                  |  | Table salt       |               | ●●●                  |
| Glycol               |               | ●●●                  |  | Tallow           |               | ●●●                  |
| Heating oil          |               | ●●●                  |  | Tartaric acid    |               | ●●●                  |
| Heptane              |               | ●●●                  |  | Tetralin         |               | ●●●                  |
| Hydraulic oil        |               | ●●●                  |  | Toluene          |               | ●●●                  |
| Hydrochloric acid    | 1%            | ●●                   |  | Transformer oil  |               | ●●●                  |
| Hydrochloric acid    | 10%           | ●                    |  | Trichlorethane   |               | ●●                   |
| Hydrogen peroxide    | 20%           | ●●                   |  | Trichlorethylene |               | ●●                   |
| Hydrosulphide        |               | ●●●                  |  | Turpentine       |               | ●●●                  |
| Iodine tincture      |               | ○                    |  | Urea             |               | ●●●                  |
| Iso-octane           |               | ●●●                  |  | Uric acid        |               | ●●●                  |
| Isopropanol          |               | ●●●                  |  | Urine            |               | ●●●                  |
| Kaliumpermanganat    |               | ○                    |  | Vaseline         |               | ●●●                  |
| Kerosene             |               | ●●●                  |  | Vinegar          |               | ●●●                  |
| Lactic acid          |               | ●●                   |  | Water            |               | ●●●                  |
| Magnesium chloride   | 10%           | ●●●                  |  | Wax              |               | ●●●                  |
| Mercury              |               | ●●●                  |  | Xylene           |               | ●●●                  |
| Methane              |               | ●●●                  |  | Zinc chloride    | aqueous       | ●●●                  |
| Methanol             |               | ●●                   |  |                  |               |                      |
| Methylene chloride   |               | ●                    |  |                  |               |                      |

●●● resistant - ●● limited resistance - ● not resistant - ○ soluble, greatly affected