

Chemical Resistance

GEHR PVDF®



| | conc. (%) | room temperature | 60 °C |
|------------------------------|-----------|------------------|-------|
| 1,4 Dioxane | 100 | o | - |
| 2-Hydroxypropionic acid | 90 | +/o | o |
| Acetic acid | 100 | + | o |
| Acetone | 100 | +/o | - |
| Ammonia | conc. | + | + |
| Ammonium chloride | 0 | + | + |
| Amyl alcohol | 0 | + | + |
| Apple juice | 0 | + | + |
| Benzene | 0 | + | + |
| Bleaching solution | 12,5 cl | o | o/- |
| Boric acid | 100 | + | + |
| Brake fluid | 0 | + | + |
| Butyl acetate | 0 | + | - |
| Calcium chloride | 0 | + | + |
| Carbon disulphide | 100 | + | 0 |
| Carbon tetrachloride | 0 | + | + |
| Chlorine, gas | 100 | + | + |
| Chlorobenzene | 100 | + | + |
| Chloroform | 0 | + | + |
| Citric acid | 10 | + | + |
| Cresol | 0 | + | + |
| Cyclohexanone | 100 | + | o |
| Cyclohexene | 100 | + | + |
| Diesel fuel | 0 | + | + |
| Diethylene oxide, THF | 0 | + | + |
| Ethyl acetate | 100 | + | o |
| Ethyl alcohol | 96 | + | + |
| Ethylene chloride | 100 | + | + |
| Food oil | 0 | + | + |
| Formaldehyde, aqu | 40 | + | + |
| Formic acid | 10 | + | + |
| Frost protection agent | 0 | + | + |
| Fuel, aromatic free | 0 | + | + |
| Glycerin | 100 | + | + |
| Glycol | 100 | + | + |
| Heating oil | 0 | + | + |
| Heptane | 100 | + | + |
| Hydrochloric acid | 10 | + | + |
| Hydrochloric acid | conc. | + | + |
| Hydrofluoric acid | 40 | + | + |
| Hydrogen peroxide | 10 | + | + |
| Hydrogen sulphide | 0 | + | + |
| Isopropyl alcohol | 100 | + | + |
| Linseed oil | 0 | + | + |
| Mercurochrome | 0 | + | + |
| Methyl alcohol | 100 | + | + |
| Methyl ethyl ketone | 100 | - | - |
| Methylene chloride | 100 | o | - |
| Milk | 0 | + | + |
| Mineral oils (aromatic free) | 0 | + | + |
| Nitric acid | 10 | + | + |

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|----------------------------|-----------|------------------|-------|
| Nitric acid | 50 | + | + |
| Nitrobenzene | 0 | + | o |
| Oxalic acid | 0 | + | o |
| Ozone, gas | ≤ 0,5 ppm | + | + |
| Paraffine oil | 100 | + | + |
| Perchloroethylene | 0 | + | + |
| Petroleum | 100 | + | + |
| Petroleum ether | 100 | 0 | 0 |
| Phenol, aqu | ca. 9 | + | + |
| Phosphoric acid | 50 | + | + |
| Potassium hydroxide liquor | 50 | + | + |
| Premium fuel | 0 | + | + |
| Propyl alcohol | 0 | + | + |
| Pyridine | 0 | + | - |
| Silicone oil | 0 | + | + |
| Sodium carbonate, aqu | 0 | + | + |
| Sodium chloride, aqu | 0 | + | + |
| Sodium hydrogen sulfite | 0 | + | + |
| Sodium hydroxide liquor | 15 | + | + |
| Sodium hydroxide liquor | 60 | + | o |
| Sodium nitrate, aqu | 0 | + | + |
| Sodium thiosulfate | 0 | + | + |
| Sulphuric acid | 96 | + | + |
| Tetrahydrofurane | 100 | o | - |
| Toluene | 100 | + | +/o |
| Transformer oil | 0 | + | + |
| Trichloroethylene | 100 | + | + |
| Vinegar, standard | 5-10 | + | + |
| Water | 0 | + | + |
| Xylene | 0 | + | +/o |

+ = resistant

o = partly resistant

- = not resistant

0 = no data available

"The figures indicated here are approximate values. They may be affected by the temperature, operating time, concentration of the solvent and stress level of the component involved, by mechanical loads, etc., and the user is not released therefore from the obligation of performing checks and trials of his own experiences and findings. Any legally binding guarantee of certain properties, or any suitability for a specific application cannot be inferred from the present data."