



| Chemische Beständigkeiten                       | Konz. (%) | Temp. (°C) | VHE 100                   | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                    | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|---|-----------|------------|---------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|----------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis                                    |           |            | NR                        | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                | BIIR    | CR      | NR          | NR      | NBR     |
|   |           |            | Hart - Autoklavgummierung |         |         |                |                |                |         |                |            | Weich - Autoklavgummierung |         |         |             |         |         |
| Abwasser  |           | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +           | +       | -       |
| pH 1 - 13                                       |           | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | +       | -       |
| ohne org.Lösemittel                             |           | 100        | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | -       | -       | -           | -       | -       |
| Aceton  | verd.     | 20         | -                         | -       | +       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |
| CH <sub>3</sub> COCH <sub>3</sub>               |           | 40         | -                         | -       | -       | -              | -              | +              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Acetylen, gasf.                                 |           | 20         | -                         | -       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | +           | +       | +       |
| Aluminiumchlorid                                | konz.     | 20         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | +           | +       | +       |
| AlCl <sub>3</sub>                               | konz.     | 40         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +           | +       | +       |
|   | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|   | konz.     | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
|   | konz.     | 100        | -                         | -       | -       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |
| Aluminiumhydroxid                               | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +           | +       | +       |
| Al(OH) <sub>3</sub>                             | konz.     | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
|   | konz.     | 100        | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
| Aluminiumsulfat                                 | konz.     | 20         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | +           | +       | +       |
| Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> | konz.     | 40         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +           | +       | -       |
|   | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|   | konz.     | 100        | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
| Ameisensäure                                    | 10        | 20         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | -       | -       | -           | -       | -       |
| HCOOH   | 10        | 40         | -                         | -       | +       | -              | +              | +              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
|   | 20        | 20         | -                         | +       | +       | +              | +              | +              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
|   | 20        | 40         | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
|   | 25        | 20         | -                         | -       | -       | -              | -              | +              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
|   | 25        | 40         | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |



| Chemische Beständigkeiten   | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102<br>181 | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327<br>334 | VWE 358 | VWE 842 |
|---|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|----------------|---------|---------|
| Polymerbasis  |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR             | NR      | NBR     |
|   |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |                |         |         |
| Ammoniak, feucht<br>NH <sub>4</sub> OH                            | 3         | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   | 3         | 60         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | +       | +       | -              | -       | -       |
|   | 3         | 80         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
|   | 10        | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   | 10        | 40         | +                                | +       | +       | +              | +              | +              | -       | -              | -          | +                                 | +       | +       | -              | -       | -       |
|   | 10        |            | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| 25  | 20        | +          | +                                | +       | +       | +              | +              | -              | -       | -              | -          | +                                 | +       | -       | -              | -       |         |
| Ammoniumchlorid<br>NH <sub>4</sub> Cl                             | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | +       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -              | -       | -       |
|   | konz.     | 100        | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Ammoniumfluorid<br>NH <sub>4</sub> F                              | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | +       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   | konz.     | 100        | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Ammoniumnitrat  | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
| Ammoniumsulfat<br>(NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -              | -       | -       |
|   | konz.     | 100        | -                                | -       | +       | -              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Amylalkohol<br>C <sub>5</sub> H <sub>11</sub> OH                  |           | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   |           | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -              | -       | -       |
| Äthylalkohol, rein  |           | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| Bariumchlorid<br>BaCl <sub>2</sub>                                | konz.     | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|   | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Benzin 100/140  |           | 40         | -                                | -       | -       | -              | -              | -              | +       | -              | -          | -                                 | -       | -       | -              | -       | +       |



| Chemische Beständigkeiten  | Konz. (%) | Temp. (°C) | VHE 100                   | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                    | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-----------|------------|---------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|----------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis   |           |            | NR                        | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                | BIIR    | CR      | NR          | NR      | NBR     |
|  |           |            | Hart - Autoklavgummierung |         |         |                |                |                |         |                |            | Weich - Autoklavgummierung |         |         |             |         |         |
| Borsäure wässrige Lösung H <sub>3</sub> BO <sub>4</sub>                    | konz.     | 20         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | +           | +       | +       |
|  | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | konz.     | 80         | +                         | +       | +       | +              | +              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
|  | konz.     | 100        | -                         | -       | +       | +              | +              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Bromsäure + Dämpfe   | konz.     | 40         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | -       | -           | -       | -       |
|  | konz.     | 60         | -                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
| Butan  |           | 40         | -                         | -       | +       | -              | +              | -              | -       | -              | -          | -                          | +       | +       | -           | -       | +       |
| Butanol CH <sub>3</sub> CH <sub>2</sub> CH <sub>2</sub> CH <sub>2</sub> OH | konz.     | 20         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | -           | -       | +       |
|  | konz.     | 40         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | -       | -       | -           | -       | -       |
|  | konz.     | 60         | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Buttersäure  | konz.     | 30         | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Calciumbisulfit  | konz.     | 80         | -                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
| Calciumchlorid CaCl <sub>2</sub>   | konz.     | 40         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | -           | -       | +       |
|  | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | konz.     | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
|  | konz.     | 100        | -                         | -       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
| Calciumhydroxid Ca(OH) <sub>2</sub>  |           | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  |           | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  |           | 100        | -                         | -       | -       | -              | +              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Calciumsulfat CaSO <sub>4</sub>  |           | 40         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | -           | -       | +       |
|  |           | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  |           | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
|  |           | 100        | -                         | -       | +       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |



| Chemische Beständigkeiten  | Konz. (%)               | Temp. (°C)      | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-------------------------|-----------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis   |                         |                 | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|  |                         |                 | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Chloressigsäure<br>ClH <sub>2</sub> CCOOH                                      | 60                      | 30              | -                                | +       | -       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
| Chlor, trocken   |                         | 20              | -                                | +       | -       | +              | +              | +              | -       | +              | +          | +                                 | -       | -       | -           | -       | -       |
| Chlor,feucht   |                         | 20              | -                                | +       | -       | +              | -              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| Chlor wässrig 0,5%   | 0,5                     | 80              | -                                | +       | -       | +              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Chloralkalielektrolyse<br>Anolyt: 270 g/l NaCl<br>0,4 g/l Cl <sub>2</sub>      |                         | 80              | -                                | +       | -       | +              | -              | +              | -       |                |            | -                                 | -       | -       | -           | -       | -       |
| Chloralkalielektrolyse<br>Rohsole<br>315 g/l NaCl                              |                         | 60<br>80<br>100 | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
| Chromsäure<br>Spülbäder bis 5%<br>(45 g/l) Cr O <sub>3</sub>                   |                         | 20<br>80        | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | -       | -       | -           | -       | -       |
| Chrombad<br>500 g/l Cr O <sub>3</sub><br>10 g/l H <sub>2</sub> SO <sub>4</sub> |                         | 65              | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | -       | -       | -           | -       | -       |
| Cyankali   | konz.                   | 100             | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
| Eisen-III-chlorid<br>FeCl <sub>3</sub>   | konz.<br>konz.<br>konz. | 60<br>80<br>100 | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| Eisen-II-sulfat<br>FeSO <sub>4</sub>   | konz.<br>konz.<br>konz. | 60<br>80<br>100 | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| Eisessig   | 100                     | 20              | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |



| Chemische Beständigkeiten                | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis                             |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|  |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Essigsäure                               | 10        | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| + Dämpfe                                 | 10        | 60         | -                                | -       | +       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| CH <sub>3</sub> COOH                     | 10        | 80         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
|  | 50        | 20         | -                                | -       | -       | +              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
|  | 50        | 50         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
|  | 100       | 40         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Essigsäureanhydrid                       |           | 50         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Essigsäureethylester                     |           | 50         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Flußsäure                                | 10        | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | -       | +           | +       | +       |
| HF                                       | 10        | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -           | -       | -       |
|  | 30        | 30         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -           | -       | -       |
|  | 30        | 40         | -                                | -       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -           | -       | -       |
|  | 40        | 30         | -                                | +       | -       | +              | -              | -              | -       | -              | -          | +                                 | -       | -       | -           | -       | -       |
| Formaldehyd                              | 40        | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | -       | -           | -       | -       |
| HCHO                                     | 40        | 50         | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
|  | 40        | 60         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Gerbsäure                                |           | 100        | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -           | -       | -       |
| Glaubersalz                              |           | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| Glukose                                  |           | 80         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | -       |
| Glyköl                                   | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
| (CH <sub>2</sub> OH) <sub>2</sub>        | konz.     | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
| Glycerin                                 | konz.     | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| CH <sub>2</sub> OHCHOHCH <sub>2</sub> OH | konz.     | 70         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|  | konz.     | 80         | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |



| Chemische Beständigkeiten                                | Konz. (%) | Temp. (°C) | VHE 100                   | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                    | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-----------|------------|---------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|----------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis   |           |            | NR                        | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                | BIIR    | CR      | NR          | NR      | NBR     |
|  |           |            | Hart - Autoklavgummierung |         |         |                |                |                |         |                |            | Weich - Autoklavgummierung |         |         |             |         |         |
| Harnstoff  | konz.     | 30         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | -       | -       | -           | -       | -       |
|  | konz.     | 50         | -                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | -       | -       | -           | -       | -       |
|  | konz.     | 60         | -                         | -       | -       | +              | +              | +              | -       | +              | +          | -                          | -       | -       | -           | -       | -       |
| Hexan  | konz.     | -          | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Hydrazin   | 15        | 20         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
|  | 15        | 40         | -                         | +       | +       | +              | +              | +              | -       | -              | -          | -                          | -       | -       | -           | -       | -       |
| Isobutylalkohol  | konz.     | 20         | -                         | -       | +       | -              | -              | -              | -       | -              | -          | +                          | +       | +       | +           | +       | +       |
| Isopropylalkohol<br>(CH <sub>3</sub> ) <sub>2</sub> CHOH | konz.     | 40         | -                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | +           | +       | +       |
|  | konz.     | 60         | -                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | +       | +       | -           | -       | +       |
|  | konz.     | 80         | -                         | -       | +       | +              | +              | +              | -       | +              | +          | -                          | -       | +       | -           | -       | -       |
| Kaliumaluminiumsulfat                                    |           | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | +           | +       | -       |
|  |           | 100        | +                         | +       | -       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
| Kaliumbicarbonat   | 30        | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +           | +       | +       |
| Kaliumchlorid<br>KCl                                     | konz.     | 80         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | konz.     | 100        | +                         | -       | +       | -              | -              | -              | +       | -              | -          | +                          | -       | -       | -           | -       | -       |
| Kaliumhydroxid<br>KOH                                    | 10        | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | 10        | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -           | -       | -       |
|  | 10        | 100        | -                         | -       | +       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |
|  | 20        | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | 20        | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
|  | 20        | 100        | -                         | -       | +       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |
|  | 50        | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | -           | -       | -       |
|  | 50        | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | -       | -           | -       | -       |
|  | 50        | 100        | -                         | -       | +       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -           | -       | -       |



| Chemische Beständigkeiten                                       | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102<br>181 | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327<br>334 | VWE 358 | VWE 842 |
|---|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|----------------|---------|---------|
| Polymerbasis  |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR             | NR      | NBR     |
|   |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |                |         |         |
| Kaliumnitrat<br>KNO <sub>3</sub>                                | 50        | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | +       | -       |
| Kaliumpermanganat   | 5         | 30         | -                                | -       | -       | -              | +              | +              | -       | -              | -          | -                                 | -       | +       | -              | -       | -       |
| Kaliumpersulfat<br>K <sub>2</sub> S <sub>2</sub> O <sub>8</sub> |           | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| Kaliumsulfat  | 30        | 80         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | +              | +       | +       |
| Kieselfluorwasser-<br>stoffsäure                                | 40        | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
| Kieselfluorwasser-<br>stoffsäure                                | 40        | 50         | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Kohlendioxidchlorgas  |           | 80         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | -              | -       | -       |
| Kohlendioxid, gasf.<br>CO <sub>2</sub>                          |           | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| Kohlendioxid, gasf.<br>CO <sub>2</sub>                          |           | 80         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | -              | -       | -       |
| Kohlendioxid, gasf.<br>CO <sub>2</sub>                          |           | 100        | -                                | +       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Kohlenmonoxid   |           | 100        | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | +              | +       | -       |
| Kondensat   |           | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | -       |
| Kondensat   |           | 100        | +                                | +       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Kupferchlorid<br>CuCl <sub>2</sub>                              |           | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | -       |
| Kupferchlorid<br>CuCl <sub>2</sub>                              |           | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
| Kupferchlorid<br>CuCl <sub>2</sub>                              |           | 80         | +                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Kupfersalze   | konz.     | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| Kupfersalze   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | -              | -       | -       |
| Kupfersalze   | konz.     | 100        | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | -       | -       | -              | -       | -       |
| Kupfersulfat<br>CuSO <sub>4</sub>                               | konz.     | 20         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | -       |
| Kupfersulfat<br>CuSO <sub>4</sub>                               | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -              | -       | -       |
| Kupfersulfat<br>CuSO <sub>4</sub>                               | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -              | -       | -       |
| Kupfersulfat<br>CuSO <sub>4</sub>                               | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |



| Chemische Beständigkeiten                | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis                             |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|  |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Leuchtgas                                | konz.     | 40         | -                                | +       | +       | -              | -              | -              | +       | -              | -          | +                                 | +       | +       | -           | -       | -       |
| Magnesiumchlorid<br>MgCl <sub>2</sub>    | konz.     | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|  | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Magnesiumhydroxid<br>Mg(OH) <sub>2</sub> | konz.     | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|  | konz.     | 100        | -                                | +       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Magnesiumsalze                           |           | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -           | -       | -       |
| Magnesiumsulfat<br>MgSO <sub>4</sub>     | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|  | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Maleinsäure                              |           | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  |           | 80         | -                                | +       | -       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
| Methanol<br>CH <sub>3</sub> OH           |           | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | -       | +       | -           | -       | +       |
|  |           | 30         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | -       | +       | -           | -       | +       |
|  |           | 50         | -                                | -       | -       | +              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | +       |
| Monochloressigsäure                      |           | 40         | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Milchsäure                               |           | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  |           | 50         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|  |           | 80         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Natriumacetat                            | konz.     | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | +           | +       | +       |
|  | konz.     | 100        | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumbisulfat<br>NaHSO <sub>4</sub>    | konz.     | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | +           | +       | +       |
|  | konz.     | 100        | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumbisulfit                          | konz.     | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -           | -       | -       |





# Gummierungen

Eikamp GmbH Co. KG

Tel. 02428 - 94980  
zentrale@eikamp-gmbh.de

| Chemische Beständigkeiten  | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|--|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis   |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|  |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Natriumcarbonat<br>Na <sub>2</sub> CO <sub>3</sub>                 | 50        | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|  | 50        | 100        | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
| Natriumchlorid<br>NaCl   | konz.     | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | konz.     | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | konz.     | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|  | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumcyanid  | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
| Natriumdichromat<br>Na <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> | 10        | 20         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | 10        | 60         | -                                | +       | +       | +              | -              | +              | -       | +              | +          | +                                 | +       | -       | -           | -       | -       |
| Natriumhydrogensulfat  | konz.     | 100        | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| Natriumhydroxid<br>NaOH  | 5         | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | 5         | 50         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | 5         | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|  | 5         | 100        | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
|  | 50        | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | 50        | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|  | 50        | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|  | 50        | 100        | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumhypochlorit<br>NaOCl (15 g/l Cl <sub>2</sub> )              | 2         | 20         | -                                | +       | -       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Natriumhypochlorit<br>150 g/l Cl <sub>2</sub>                      | 12        | 30         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Natriumjodid   |           | -          | +                                | -       | -       | -              | -              | -              | +       | -              | -          | +                                 | -       | -       | -           | -       | -       |
| Natriumnitrat (NaNO <sub>3</sub> )                                 |           | 80         | +                                | +       | -       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | +           | +       | -       |



| Chemische Beständigkeiten                             | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|---|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis  |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|   |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Natriumnitrit   |           | 80         | +                                | +       | -       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | +           | +       | -       |
| Natriumphosphat<br>Na <sub>3</sub> PO <sub>4</sub>    | konz.     | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|   | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|   | konz.     | 100        | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumsulfat<br>Na <sub>2</sub> SO <sub>4</sub>      | konz.     | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|   | konz.     | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|   | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Natriumsulfit<br>Na <sub>2</sub> SO <sub>3</sub>      | konz.     | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|   | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|   | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Oxalsäure<br>HOCCOOH                                  | 25        | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | -       |
|   | 25        | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|   | 25        | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
|   | 25        | 80         | -                                | -       | +       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Ozon ( 5 ppm)   |           | 30         | -                                | -       | +       | -              | -              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | +       |
| Phenolhaltiges Wasser                                 | 5         | 30         | -                                | -       | -       | +              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Phenolsulfonsäure                                     |           | 40         | -                                | +       | +       | +              | +              | -              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| Phosphor gelb   |           | 60         | -                                | +       | +       | +              | +              | -              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|   |           | 80         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| ortho-Phosphorsäure<br>H <sub>3</sub> PO <sub>4</sub> | 50        | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
|   | 50        | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | -       |
|   | 50        | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |



| Chemische Beständigkeiten   | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102<br>181 | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327<br>334 | VWE 358 | VWE 842 |
|---|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|----------------|---------|---------|
| Polymerbasis  |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR             | NR      | NBR     |
|   |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |                |         |         |
| ortho-Phosphorsäure   | 50        | 100        | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
|   | 70        | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | -       |
|   | 70        | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
| Quecksilber   |           | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
|   |           | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -              | -       | -       |
|   |           | 100        | -                                | +       | +       | +              | +              | +              | +       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Quecksilber- II- chlorid  |           | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | -              | -       | +       |
|   |           | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | -              | -       | -       |
|   |           | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Rauchgas<br>SO <sub>2</sub> -, NO <sub>x</sub> -, HCL-, HF-<br>haltig |           | 40         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | +       |
|   |           | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | +       |
|   |           | 100        | -                                | -       | -       | +              | -              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Salicylsäure<br>C <sub>6</sub> H <sub>4</sub> OHCOOH                  |           | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | +       | -       |
|   |           | 80         | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -              | -       | -       |
| Salpetersäure<br>HNO <sub>3</sub>                                     | 5         | 30         | -                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | -       | -              | -       | -       |
|   | 5         | 60         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | -       | -       | -              | -       | -       |
|   | 20        | 20         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | -       | -       | -              | -       | -       |
|   | 20        | 60         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | +                                 | -       | -       | -              | -       | -       |
| Salzsäure<br>max. 0,02 g/l org.<br>Cl- Verbindung<br>HCl              | 10        | 40         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | +              | +       | +       |
|   | 10        | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | +              | +       | -       |
|   | 10        | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -              | -       | -       |
|   | 10        | 100        | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
|   | 30        | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -              | +       | +       |
|   | 30        | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
|   | 30        | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -              | -       | -       |



| Chemische Beständigkeiten        | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102<br>181 | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327<br>334 | VWE 358 | VWE 842 |
|----------------------------------|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|----------------|---------|---------|
| Polymerbasis                     |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR             | NR      | NBR     |
|                                  |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |                |         |         |
| Salzsäure                        | 37        | 30         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
| max. 0,02 g/l org. Cl-Verbindung | 37        | 80         | -                                | -       | -       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
|                                  | 37        | 100        | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Schwefeldioxid                   |           | 30         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
| SO <sub>2</sub>                  |           | 60         | -                                | -       | -       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -              | -       | -       |
| Schwefelsäure                    | 10        | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| H <sub>2</sub> SO <sub>4</sub>   | 10        | 80         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | +       | +       | -              | -       | -       |
|                                  | 10        | 100        | -                                | +       | +       | +              | +              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
|                                  | 50        | 60         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
|                                  | 50        | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -              | -       | -       |
|                                  | 60        | 30         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| Schwefelsäure                    | 60        | 40         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|                                  | 60        | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -              | -       | -       |
|                                  | 60        | 80         | -                                | -       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -              | -       | -       |
|                                  | 70        | 20         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | -       | -              | -       | -       |
|                                  | 70        | 30         | -                                | -       | +       | +              | +              | +              | -       | +              | +          | +                                 | -       | -       | -              | -       | -       |
|                                  | 70        | 40         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
|                                  | 70        | 60         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Schweflige Säure                 | 5         | 40         | -                                | -       | -       | +              | +              | +              | -       | +              | +          | -                                 | -       | +       | -              | -       | -       |
| Schwefelwasserstoff              |           | 30         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +              | +       | +       |
| gasförmig                        |           | 60         | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| H <sub>2</sub> S                 |           | 80         | -                                | -       | -       | -              | -              | -              | -       | -              | -          | -                                 | -       | -       | -              | -       | -       |
| Seewasser                        |           | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +              | +       | -       |
| Brackwasser                      |           | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -              | -       | -       |
|                                  |           | 100        | -                                | +       | -       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -              | -       | -       |



| Chemische Beständigkeiten          | Konz. (%) | Temp. (°C) | VHE 100                          | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102 181    | VHE 005    | VWE 625                           | VWE 642 | VWE 504 | VWE 327 334 | VWE 358 | VWE 842 |
|------------------------------------|-----------|------------|----------------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|-----------------------------------|---------|---------|-------------|---------|---------|
| Polymerbasis                       |           |            | NR                               | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                       | BIIR    | CR      | NR          | NR      | NBR     |
|                                    |           |            | <b>Hart - Autoklavgummierung</b> |         |         |                |                |                |         |                |            | <b>Weich - Autoklavgummierung</b> |         |         |             |         |         |
| Spinnbadsäure                      |           | 20         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
| 25% H <sub>2</sub> SO <sub>4</sub> |           | 60         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| 200 mg/l CS <sub>2</sub>           |           | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| 200 mg/l H <sub>2</sub> S          |           | 100        | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | -       | -       | -           | -       | -       |
| Titansulfatlauge                   |           | 100        | -                                | +       | +       | +              | +              | -              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Trinkwasser                        |           | 80         | -                                | -       | -       | -              | -              | -              | -       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| Kesselspeisewasser                 |           | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | -       |
| Deionat                            |           | 100        | -                                | -       | -       | -              | -              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Wasser                             |           | 70         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | -       |
|                                    |           | 100        | -                                | +       | +       | +              | +              | +              | +       | +              | +          | -                                 | -       | -       | -           | -       | -       |
| Wasserstoffperoxid                 | 5         | 30         | -                                | +       | -       | +              | +              | +              | +       | +              | +          | -                                 | +       | -       | -           | -       | -       |
| Zinkchlorid                        | konz.     | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| ZnCl <sub>2</sub>                  | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|                                    | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|                                    | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Zinkoxid                           | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | +           | +       | -       |
| ZnO                                | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Zinksulfid (ZnS)                   | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | +           | +       | -       |
| Zinksulfat                         | konz.     | 20         | +                                | +       | +       | +              | +              | +              | +       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| ZnSO <sub>4</sub>                  | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | -           | -       | -       |
|                                    | konz.     | 80         | -                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | -       | -           | -       | -       |
|                                    | konz.     | 100        | -                                | -       | +       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |
| Zinn-II-chlorid                    | konz.     | 60         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | +                                 | +       | +       | +           | +       | +       |
| SnCl <sub>2</sub>                  | konz.     | 80         | +                                | +       | +       | +              | +              | +              | -       | +              | +          | -                                 | +       | +       | -           | -       | -       |
|                                    | konz.     | 100        | -                                | +       | -       | +              | +              | +              | -       | -              | -          | -                                 | +       | -       | -           | -       | -       |



| Chemische Beständigkeiten                                     | Konz. (%) | Temp. (°C) | VHE 100                   | VHE 050 | VHE 010 | VHE 109        | VHE 104        | VHE 118        | VHE 041 | VHE 102<br>181 | VHE 005    | VWE 625                    | VWE 642 | VWE 504 | VWE 327<br>334 | VWE 358 | VWE 842 |
|---|-----------|------------|---------------------------|---------|---------|----------------|----------------|----------------|---------|----------------|------------|----------------------------|---------|---------|----------------|---------|---------|
|   |           |            | NR                        | NR      | SBR     | NR/<br>Graphit | NR/<br>Graphit | NR/<br>Graphit | NBR     | NR/<br>Graphit | NR/<br>KTW | IIR/<br>PVC                | BIIR    | CR      | NR             | NR      | NBR     |
|   |           |            | Hart - Autoklavgummierung |         |         |                |                |                |         |                |            | Weich - Autoklavgummierung |         |         |                |         |         |
| Zinnsulfat<br>SnSO <sub>4</sub>                               | konz.     | 60         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | +                          | +       | +       | +              | +       | +       |
|   | konz.     | 80         | +                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | +       | +       | -              | -       | -       |
|   | konz.     | 100        | -                         | +       | -       | +              | +              | +              | -       | -              | -          | -                          | +       | -       | -              | -       | -       |
| Zitronensäure<br>C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> | konz.     | 20         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | +       | +       | +              | +       | +       |
|   | konz.     | 50         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | +       | +       | +              | +       | +       |
|   | konz.     | 60         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | -       | -       | -              | -       | -       |
|   | konz.     | 80         | -                         | +       | +       | +              | +              | +              | -       | +              | +          | -                          | -       | -       | -              | -       | -       |
|   | konz.     | 100        | -                         | -       | -       | -              | -              | -              | -       | -              | -          | -                          | -       | -       | -              | -       | -       |
| Zuckerlösung  | konz.     | 40         | +                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | +       | +       | +              | +       | +       |
|   | konz.     | 50         | -                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | -       | -       | -              | -       | -       |
|   | konz.     | 70         | -                         | +       | +       | +              | +              | +              | +       | +              | +          | -                          | -       | -       | -              | -       | -       |
| Zuckerlösung, roh   | konz.     | 80         | -                         | -       | -       | -              | -              | -              | -       | +              | +          | -                          | -       | -       | -              | -       | -       |

Die Beständigkeitsangaben basieren auf Untersuchungen im Labor und Erfahrungen im praktischen Einsatz.  
Sie erfolgen nach bestem Wissen, jedoch ohne Gewähr. Im Einzelfall stehen wir gern mit unserer Beratung zur Verfügung.

Zeichenerklärung:           + = beständig                   - = unbeständig bzw. nicht geprüft

Abkürzungen und Symbole:

- BIIR   Brombutylkautschuk
- CR     Chloroprenkautschuk
- CSM   Chlorsulfoniertes Polyethylen
- IIR    Isobutylene-Isopren-Kautschuk (Butylkautschuk)
- NR     Naturkautschuk
- NBR   Nitril-Butadien-Kautschuk (Nitrilkautschuk)
- SBR    Styrol-Butadien-Kautschuk