

- Antriebstechnik
- Arbeitsschutz u. Laborbedarf
- Armaturen u. Zubehör
- Hochdruckdichtungen
- Gummi u. PVC-Platten
- Schläuche u. Zubehör
- Putzlappen u. Reinigungstücher
- Werkstattbedarf

Gummi - Hehmann

Industriebedarf + Antriebstechnik



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Beständigkeiten bei Schlauchmaterialien

| | |
|-----------------|------------------------------|
| N.B.R. | Acrylnitrilbutadien (Nitril) |
| S.B.R. | Styreen Butadien Gummi |
| N.R. | Naturkautschuk |
| PUR (AU) | Polyurethan |
| X.L.P.E. | Vernetztes Polyäthylen |
| P.V.C. | Polyvinylchlorid |
| E.P.D.M. | Ethylen Propylen Gummi |

A: beständig

B: bedingt beständig (nicht für Dauerbetrieb)

C: unbeständig

Diese Beständigkeitsliste erhebt keinen Anspruch auf Vollständigkeit und dient lediglich zur Orientierung.

| | NBR | SBR | NR | PUR | XLPE | PVC | EPDM |
|-----------------------------|-----|-----|----|-----|------|------|------|
| (Alpha) Methylstyrol (25°C) | C | - | C | - | A | - | C |
| Acetaldehyd | C | B | B | B | A | - | A |
| Acetamid | C | - | C | - | A | - | A |
| Aceton | C | A | A | - | A | - | A |
| Acetonitril | - | - | - | - | A | - | B |
| Acetophenon | C | - | C | - | A | - | A |
| Acetylaceton | C | - | C | - | A | - | A |
| Acrolein | C | - | C | - | A | - | A |
| Acrylnitril | C | C | C | - | A | - | C |
| Acrylsäure | C | - | C | - | C | - | A |
| Adipinsäure | A | A | A | - | A | - | A |
| Alaun | A | B | A | A | A | 40°A | A |
| Allylalkohol | A | A | A | - | B | 20°B | A |
| Aluminiumchlorid | A | - | A | B | A | 60°A | A |
| Aluminiumnitrat | A | - | A | - | B | - | A |
| Ameisensäure | C | B | C | - | A | - | A |
| Ammoniaklösung (40°C) | - | A | - | - | - | - | - |
| Ammoniumchlorid | A | A | A | A | A | 40°A | A |
| Ammoniumhydroxid | A | - | A | - | A | 40°A | A |
| Ammoniumnitrat | A | A | A | A | A | 40°A | - |
| Ammoniumpersulfat | A | - | A | B | A | - | A |
| Ammoniumphosphat | A | A | A | A | A | 60°A | A |
| Ammoniumsulfat | A | A | A | A | A | 60°A | A |
| Amylacetat | C | C | B | - | B | - | A |
| Amylalkohol | A | A | A | B | A | 40°A | A |
| Anilin | C | C | C | - | A | - | A |
| Anol (vgl. Cyclohexanol) | A | C | A | - | A | - | A |
| Anon (vgl. Cyclohexanon) | C | C | C | - | B | - | - |

| | | | | | | | |
|--|---|---|---|---|---|------|---|
| Äthanolamin | - | - | A | - | A | - | A |
| Äthenol | A | A | A | B | A | - | A |
| Äthylacetat (vgl. Acetal) | C | B | C | - | A | - | A |
| Äthylacrylat | C | - | C | - | A | - | - |
| Äthylalkohol (vgl. Äthanol) | A | A | A | B | A | - | A |
| Äthyläther | C | C | C | - | C | - | C |
| Äthylbenzol (18°C) | C | C | C | - | B | - | C |
| Äthylbutyrat | C | - | C | - | A | - | A |
| Äthylenchlorid (vgl. Dichloräthan) | C | C | C | - | A | - | C |
| Äthylenglykol | A | A | A | B | A | 60°A | A |
| Äthylenglykolmonoäthyläther | A | - | A | - | A | - | A |
| Äthylenglykolmonoäthyletheracetat | C | A | A | - | A | - | A |
| Äthylmercaptan | C | - | C | - | A | - | - |
| Bariumchlorid | A | - | A | A | A | - | A |
| Benzaldehyd | C | B | C | C | A | - | - |
| Benzin (Superkraftstoff) | A | C | C | C | A | - | C |
| Benzin mit max. 60% Benzolanteil | A | C | C | B | A | - | C |
| Benzol | C | C | C | C | A | - | C |
| Benzylalkohol | C | - | A | - | A | 20°B | A |
| Benzylchlorid (2 - 5°C) | C | - | C | - | C | - | C |
| Blausäure (vgl. Cyanwasserstoffsäure) | B | - | A | B | A | - | A |
| Bleiacetat | A | A | A | A | A | 60°A | A |
| Bleiarsenat | A | - | A | A | A | - | A |
| Borax (vgl. Dinatriumtetraborat) | A | A | A | A | A | 40°A | A |
| Brom | C | C | C | B | C | - | C |
| Brombenzol (25°C) | C | - | C | - | B | - | C |
| Bromwasserstoffsäure (konz.) | C | - | C | C | C | 20°A | A |
| Bunkeröl, Heizöl S | A | - | C | - | C | - | C |
| Butanol (vgl. Butylalkohole) | A | A | A | C | A | 40°A | A |
| Butanon (vgl. Methyläthylketon) | C | - | B | - | A | - | A |
| Buttersäure | C | - | C | - | A | - | A |
| Buttersäure Äthyl (vgl. Äthylbutyrat) | C | - | C | - | A | - | A |
| Butylacetat | C | C | C | - | A | - | A |
| Butylaldehyd | C | - | C | - | A | - | A |
| Butylalkohole | A | - | A | C | A | 40°A | A |
| Butyläther | C | - | C | C | A | - | C |
| Calciumchlorid | A | A | A | A | A | 40°A | A |
| Calciumhydroxid (Kalkwasser) | A | A | A | C | A | 60°A | A |
| Calciumhypochlorit | C | C | A | - | A | 40°A | A |
| Calciumnitrat | A | A | A | A | A | 40°A | A |
| Calciumsalze | A | - | A | - | A | - | A |
| Calziumsulfat | A | - | A | A | A | - | A |
| Chlorbenzol (25°C) | C | C | C | C | B | - | C |
| Chlorbleilauge (vgl. Natriumhypochlorit) 13% | C | C | C | B | B | 40°A | A |
| Chlordiflourmethan (25°C) | - | - | - | - | - | - | - |
| Chloressigsäure (25°C) | C | C | C | C | A | - | - |
| Chloroform (vgl. Trichlormethan) | C | C | C | C | A | - | C |
| Chlorsulfonsäure | C | C | C | C | C | - | - |
| Chlorwasser (0,5% Chlor) | C | C | C | B | A | 40°B | A |
| Chlorwasserstoffsäure (37%) | C | C | B | - | A | - | A |
| Chromsäure (25%-40°C) | C | C | C | - | A | 40°A | B |
| Cyankali (vgl. Kaliumcyanid) | A | A | A | B | A | 60°A | A |
| Cyanwasserstoffsäure | B | - | A | B | A | - | A |
| Cyclohexan | A | C | C | - | A | - | C |
| Cyclohexanol | A | C | A | C | A | 60°A | A |
| Cyclohexanon | C | C | C | C | B | - | - |
| Cyclohexylamin | C | C | C | - | A | - | - |
| Dekahydronaphtalin | A | C | C | A | A | - | C |
| Dekalin (vgl. Dekahydronaphtalin) | A | C | C | A | A | - | C |

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|--|---|---|---|---|---|------|---|
| Diacetonalkohol | C | A | A | B | A | - | A |
| Diäthylamin | C | C | C | B | A | 20°B | - |
| Diäthyläther | C | C | C | - | C | - | C |
| Diäthylenglykol | A | A | A | B | A | - | A |
| Dibutylphtat | C | C | C | B | A | - | A |
| Dibutylsebacat | C | C | C | C | A | - | A |
| Dichloräthan | C | C | C | - | A | - | C |
| Dichlormethan (25°C) | C | C | C | C | C | - | C |
| Diesekraftstoff | A | C | C | B | A | 40°A | C |
| Diglykol (vgl. Diäthylenglykol) | A | A | A | B | A | - | A |
| Diisobutylen | - | C | C | - | A | - | C |
| Dimethylamin | C | C | C | - | A | 20°B | - |
| Dimethylanilin | C | - | C | C | A | - | B |
| Dimethylformamid | C | C | A | B | A | - | A |
| Dimethylsulfoxid | C | - | C | - | - | - | A |
| Diocetylphat | C | C | C | - | A | - | A |
| Diocetylsebacat | C | C | C | B | A | - | A |
| Dioxan (vgl. Diäthylenoxid 60°C) | C | B | C | C | A | - | A |
| Eisenchlorid | A | A | A | B | A | - | A |
| Eisennitrat | A | - | A | - | A | - | A |
| Eisensulfat | A | - | A | B | A | - | A |
| Eisessig (vgl. Essigsäure 100%) | C | C | B | B | A | - | A |
| Epichlorhydrin | C | - | C | C | A | - | A |
| Essigsäure (100%) | - | C | A | A | A | - | A |
| Essigsäure (60%) | - | C | A | A | A | 40°A | A |
| Essigsäureanhydrid (20°C) | C | A | B | C | A | - | A |
| Fettsäuren | A | - | C | A | B | 60°A | A |
| Fluorwasserstoffsäure (75%) | C | B | B | B | A | 20°B | A |
| Flußsäure (75%) (vgl. Fluorwasserstoffsäure) | C | B | B | B | A | 20°B | A |
| Formaldehydlösung (40%) | B | A | B | B | A | 40°A | A |
| Furfural | C | - | A | - | A | - | A |
| Furfurol | C | - | A | - | A | - | A |
| Gerbsäure (60°C) | C | A | C | C | A | 20°B | A |
| Glucose | A | A | A | A | A | 40°A | A |
| Glykole | A | A | A | B | A | 60°A | A |
| Harnstoff | A | A | A | B | A | 40°A | A |
| Heizöl | A | C | C | B | A | 20°A | C |
| Heizöl, Typ ASTM-A (Isooctan) | A | C | C | B | A | - | C |
| Heptan | A | C | C | B | A | 20°A | C |
| Hexan | A | C | C | B | A | 20°A | C |
| Hexanole (vgl. Hexylalkohol) | A | - | A | C | A | - | A |
| Heylalkohol | A | - | A | C | A | - | A |
| i-Kresole (60%) | C | C | C | C | C | 20°B | - |
| Isobutylacetat | C | - | C | - | A | - | A |
| Isophorone (20°C) | C | - | C | C | A | - | A |
| Isopropanol (vgl. Isopropylalkohol) | A | A | A | B | A | 20°A | A |
| Isopropylalkohol | A | A | A | B | A | 20°A | A |
| Isopropylbenzol (40°C) | C | - | C | B | A | - | C |
| Kaliumbromat (10%) | A | A | A | - | A | 40°A | A |
| Kaliumcarbonat | A | A | A | B | A | 40°A | A |
| Kaliumchlorat | A | B | A | A | A | 60°A | A |
| Kaliumchlorid | A | A | A | A | A | 60°A | A |
| Kaliumcyanid | A | - | A | B | A | 60°A | A |
| Kaliumhydroxidlösung | B | - | A | A | A | 40°A | A |
| Kaliumjodid | A | A | A | - | A | 60°A | A |
| Kaliumnitrat | A | A | A | A | A | 60°A | A |
| Kaliumpermanganat (10%) | C | B | C | A | A | 40°A | A |
| Kaliumsulfat | A | B | A | A | A | 40°A | A |
| Kieselfluorwasserstoffsäure (50%) | C | A | C | - | A | - | A |

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|---|---|---|---|---|---|------|---|
| Kochsalzlösung (vgl. Sole) | A | A | A | B | A | 40°A | A |
| Kohlendioxid gasförmig | A | A | A | A | A | 60°A | A |
| Kohlensäuregas | A | - | A | A | A | 60°A | A |
| Kresolsäure | C | - | C | C | C | - | - |
| Kupferacetat | A | - | C | - | A | - | A |
| Kupfercyanid | A | - | C | B | A | - | A |
| Leichtbenzin | A | - | C | - | A | - | C |
| Magnesiumchlorid | A | A | A | A | A | - | A |
| Magnesiumlauge | A | - | A | A | A | - | A |
| Magnesiumsulfat | A | A | A | A | A | - | A |
| Methanol (vgl. Methylalkohol) | A | A | A | B | A | 40°A | A |
| Methylacetat | C | - | C | C | A | - | A |
| Methylacrylat | C | C | C | - | A | - | - |
| Methylalkohol | A | A | A | B | A | 40°A | A |
| Methylamin (wässrig -30% -20°C) | C | B | A | - | A | 20°B | B |
| Methylchlorid gasförmig | C | C | C | C | B | - | C |
| Methylenchlorid (20°C vgl. Dichlormethan) | C | C | C | C | C | - | C |
| Methylisobutylketon | C | C | C | C | A | - | A |
| Naphtha | A | C | C | B | A | - | C |
| Naphthalin (90°C) | C | C | C | B | C | - | C |
| Natriumacetat | A | - | A | B | A | 20°A | A |
| Natriumbisulfit | A | A | A | C | A | 40°A | A |
| Natriumcarbonat | A | A | A | B | A | 60°A | A |
| Natriumchlorid | A | A | A | B | A | 40°A | A |
| Natriumcyanid (30%) | A | - | A | B | A | - | A |
| Natriumhydroxid (20%) | B | B | B | B | A | 40°A | A |
| Natriumhypochlorit (13%) | C | C | C | B | B | 40°A | A |
| Natriumnitrat | A | A | A | A | A | 40°A | A |
| Natriumperborat | A | - | A | - | A | - | A |
| Natriumphosphat | A | A | A | B | A | 40°A | A |
| Natriumsilikat | A | A | A | B | A | 40°A | A |
| Natriumsulfat | A | A | A | A | A | 40°A | A |
| Natriumsulfid | A | A | A | A | A | 40°A | A |
| Natriumthiosulfat | A | A | A | B | A | 40°A | A |
| Natronlauge (vgl. Natriumhydroxid 20%) | B | B | B | B | A | 40°A | A |
| Nickelsulfat | A | A | A | B | A | - | A |
| Nitrobenzol (40°C) | C | C | C | C | A | - | C |
| Nitropropan | C | B | B | C | A | - | A |
| Octan | A | - | C | A | A | - | C |
| Oleum | C | C | C | C | C | - | C |
| Ölsäure | A | C | B | A | A | 60°A | A |
| Oxalsäure 50°C | B | B | A | C | A | 60°A | A |
| Ozon | C | C | C | A | B | 20°A | A |
| Palmitinsäure | A | C | B | A | B | 20°A | A |
| Paraffin (vgl. Alkane) | A | C | C | B | A | 40°A | B |
| Perchloräthylen (20°C) | C | C | C | C | B | - | C |
| Petroläther | A | C | C | B | A | 60°A | C |
| Petroleum | A | C | C | A | A | 20°A | C |
| Phenol (vgl. Karbolsäure 60°C) | C | C | C | C | B | 20°B | A |
| Phosphorchlorid (50°C) | C | C | B | - | A | - | B |
| Phosphorsäure (60°C) | B | A | B | C | A | 40°A | A |
| Pikrinsäure (alkoholische Lösung) | B | B | B | C | A | 20°A | A |
| Propanol (vgl. Propylalkohol) | A | A | A | B | A | 20°A | A |
| Propionsäureethylester | C | C | A | - | A | 40°A | A |
| Propylacetat | C | - | B | - | A | - | A |
| Propylalkohol | A | A | A | B | A | 20°A | A |
| Pyridin | C | C | C | C | A | - | B |
| Quecksilber | A | A | A | A | A | 60°A | A |
| Quecksilbersalze | A | A | A | - | A | 40°A | A |

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|--|---|---|---|---|---|------|---|
| Salmiakgeist (vgl. Ammoniaklösung) | A | - | A | C | A | 60°A | A |
| Salpetersäure (40°C-40%) | C | C | C | C | - | - | B |
| Salpetersäure (60°C-20%) | C | C | C | C | A | - | B |
| Salpetersäure (rauchend 100%) | C | C | C | C | C | - | C |
| Salzsäure (20%) | B | - | B | - | A | 40°A | A |
| Salzsäure (37%) | C | - | B | C | A | 40°A | A |
| Scheidewasser (vgl. Salpetersäure 100%) | C | C | C | C | C | - | C |
| Schwefeldioxid (trocken 60%) | C | B | C | B | A | 60°A | A |
| Schwefelige Säure (10%) | C | B | C | B | A | 20°B | A |
| Schwefelkohlenstoff | C | C | B | C | B | - | C |
| Schwefelsäure (100%=rauchend) | C | B | C | C | C | C | C |
| Schwefelsäure (20%-50°C) | B | B | B | A | A | C | A |
| Schwefelsäure (50%-50°C) | C | B | B | B | A | C | A |
| Schwefelsäure (75%-50°C) | C | B | C | C | A | C | B |
| Schwefelsäure (96%-20°C) | C | B | C | C | A | C | A |
| Schwefelsäureanhydrid (vgl. Schwefeltrioxid) | C | - | - | C | C | - | B |
| Schwerbenzin (vgl. Naphtalin) | C | C | B | C | C | - | C |
| Silbersalze | A | B | - | A | A | 40°A | A |
| Siliconfett | A | A | A | A | A | - | A |
| Silikonöl | A | A | A | A | A | 20°A | A |
| Stearinsäure | A | A | A | A | A | 60°A | A |
| Stickstoff, gasförmig | A | A | A | A | A | - | A |
| Styrolmonomer (20°C) | C | C | B | C | A | - | C |
| Sulfurychlorid | C | B | - | C | A | - | B |
| Tannin (vgl. Gerbsäure) | C | A | C | C | A | 20°B | A |
| Terpentin | A | C | C | C | A | 20°A | C |
| Testbenzin (vgl. White Spirit) | A | C | C | B | A | - | C |
| Tetrachloräthan | C | C | C | - | A | - | C |
| Tetrachlorkohlenwasserstoff | C | C | C | B | C | - | C |
| Tetrahydrofuran | C | C | C | - | B | - | C |
| Tetralin | C | - | C | - | A | - | C |
| Toluol (20°C) | C | C | C | C | B | - | C |
| Triäthamin | A | - | C | - | A | - | C |
| Triäthanolamin (20°C) | A | C | A | C | A | 20°B | A |
| Trichloräthylen | C | C | C | C | C | - | C |
| Trimethylamin | A | - | C | - | A | - | C |
| Vinylacetat | C | C | C | - | A | - | A |
| Wasser | A | A | A | A | A | A | A |
| Wasserstoffperoxid (35%) | C | C | B | B | A | 40°A | B |
| Weinsäure | A | A | A | A | A | - | A |
| White Spirit | A | C | C | B | A | - | C |
| Xylol (Isomerengemisch) | C | C | C | C | C | - | C |
| Zinkacetat | A | C | A | C | A | - | A |
| Zinkchlorid | A | - | A | B | A | - | A |
| Zinksulfat | A | - | A | B | A | - | A |
| Zitronensäure | A | A | A | A | A | 40°A | A |
| Zucker | A | - | A | A | A | 40°A | A |