

| Medium + resistant - not resistant | Temperature K | Concentration % | Hard Carbon | | | | | |
|--|------------------|---|-------------------------|--------------------|-------------------|---|---|----------------|
| | | | Not Impreg- nated | Synthetic resin | - Impregnations - | | | Lead Bronze |
| PTFE | Antimony | White Metal | | | | | | |
| Aminosulphonic acid $\text{NH}_2\text{-SO}_3\text{H}$ | 370 | 40 | + | + | + | + | + | - |
| Ammonia (Gas) NH_3 | 370 | 100 | + | + | + | + | + | - |
| Ammonium hydroxide (aqueous) NH_4OH | 320 | 25 | + | + | + | + | + | - |
| Aqua regia $\text{HCl}/\text{HNO}_3 = 3:1$ | 380 | 100 | + | + | + | - | - | - |
| Bleach liquor Sodium hypochlorite (concentrated) NaOCl | 290 | 300 g NaOCl/l = 120 g Cl_2/l | + | - | + | + | - | - |
| Bleach liquor Sodium hypochlorite (concentrated) NaOCl | 320 | 300 g NaOCl/l = 120 g Cl_2/l | - | - | - | - | - | - |
| Bleach liquor Sodium hypochlorite (dilute) NaOCl | 290 | 150 g NaOCl/l = 60 g Cl_2/l | + | - | + | + | - | - |
| Bleach liquor Sodium hypochlorite (dilute) NaOCl | 320 | 150 g NaOCl/l = 60 g Cl_2/l | + | - | + | - | - | - |
| Bleach liquor Sodium hypochlorite (dilute) NaOCl | 370 | 150 g NaOCl/l = 60 g Cl_2/l | - | - | - | - | - | - |

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| | | | Not Impreg- nated | Synthetic resin | - Impregnations - | | White Metal | Lead Bronze |
| PTFE | Antimony | | | | | | | |
| Bleach liquor Sodium hypochlorite (dilute) NaOCl | 320 | 75 g NaOCl/l = 30 g Cl ₂ /l | + | + | + | + | - | - |
| Bleach liquor Sodium hypochlorite (dilute) NaOCl | 370 | 75 g NaOCl/l = 30 g Cl ₂ /l | - | - | - | - | - | - |
| Bromine (liquid) Br ₂ | 290 | 100 | - | - | - | - | - | - |
| Chloride of lime Ca(ClO) Cl | 370 | saturated | + | - | + | + | - | - |
| Chlorine (dry) Cl ₂ | 370 | 100 | + | + | + | - | - | - |
| Chlorine (wet) Cl ₂ | 290 | 100 | + | + | + | - | - | - |
| Chlorosulphonic acid Cl-SO ₃ H | 290 | 100 | - | - | - | - | - | - |
| Chromic acid CrO ₃ · aq | 290 | 20 | + | + | + | + | - | - |
| Chromic acid CrO ₃ · aq | 370 | 20 | + | + | + | - | - | - |
| Chromic acid CrO ₃ · aq | 290 | 40 | + | + | + | - | - | - |
| Chromic acid CrO ₃ · aq | 370 | 40 | - | + | - | - | - | - |

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| | | | | | PTFE | Antimony | | |
| Chromic acid CrO ₃ · aq | 290 | 60 | + | + | + | - | - | - |
| Chromic acid CrO ₃ · aq | 370 | 60 | - | - | - | - | - | - |
| Fluorine (Gas) F ₂ | 290 | 100 | - | - | - | - | - | - |
| Fluosilicic acid H ₂ SiF ₆ | 290 | all | + | + | + | + | - | - |
| Hydrobromic acid (Gas) HBr | 370 | 100 | + | + | + | + | - | - |
| Hydrochloric acid (concentrated) HCl | 370 | 36 | + | + | + | + | - | - |
| Hydrofluoboric acid HBF ₄ | 370 | all | + | + | + | - | - | - |
| Hydrofluoric acid (concentrated) HF | 290 | 60 | - | - | - | - | - | - |
| Hydrofluoric acid (concentrated) HF | 355 | 40 | + | + | + | - | - | - |
| Hydrogen chloride (gas) HCl | 370 | 100 | + | + | + | + | - | - |
| Hydrogen fluoride (gas) HF | 320 | 100 | + | + | + | - | - | - |

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| PTFE | Antimony | | | | | | | |
| Hydrogen peroxide H ₂ O ₂ | 320 | 30 | + | + | + | + | + | + |
| Hydrogen sulphide (gas) H ₂ S | up to 370 | up to 100 | + | + | + | - | - | - |
| Hydrogen sulphide (water) H ₂ S | up to 320 | up to 4 g/l | + | + | + | - | - | - |
| Mixed acid HNO ₃ /H ₂ SO ₄ = 2:3 | 290 | 100 | - | - | - | - | - | - |
| Nitric acid (dilute) HNO ₃ | 320 | 65 | + | + | + | - | - | - |
| Nitric acid (dilute) HNO ₃ | 360 | 65 | + | - | + | - | - | - |
| Nitric acid (dilute) HNO ₃ | 380 | 38 | + | + | + | - | - | - |
| Nitric acid (dilute) HNO ₃ | 390 | 65 | - | - | - | - | - | - |
| Nitric acid (fuming) HNO ₃ + NO, NO ₂ | 290 | 100 | - | - | - | - | - | - |
| Nitrogen peroxide NO + NO ₂ | 290 | 100 | - | - | - | - | - | - |
| Perchlorid acid HClO ₄ | not to be brought into contact with carbon – risk of explosion! | | | | | | | |

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| PTFE | Antimony | | | | | | | |
| Perhydrol H ₂ O ₂ | see Hydrogen Peroxide | | | | | | | |
| Phosgene COCl ₂ | 290 | all | + | + | + | + | - | - |
| Phosphoric acid (concentrated) H ₃ PO ₄ | 320 | 89 | + | + | + | + | - | - |
| | 410 | 89 | + | + | + | - | - | - |
| Phosphoryl chloride POCl ₃ | 290 | 100 | + | + | + | - | - | - |
| Potassium hydroxide (concentrated) KOH | 290 | 60 | + | + | + | + | + | + |
| | 370 | 60 | + | - | + | - | - | - |
| Potassium permanganate KMnO ₄ | 290 | 50 | + | + | + | + | + | + |
| Potassium permanganate KMnO ₄ | 370 | 50 | - | - | - | + | - | - |
| Sodium chlorite NaClO ₂ | 350 | 20 | - | - | - | - | - | - |
| Sodium hydroxide (concentrated) NaOH | 290 | 60 | + | + | + | + | + | + |
| Sodium hydroxide (concentrated) NaOH | 370 | 60 | + | - | + | - | - | - |
| Sodium hypochlorite NaOCl | see Bleach liquor | | | | | | | |

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| PTFE | Antimony | | | | | | | |
| Sodium (liquid) Na | 370 | 100 | - | - | - | - | - | - |
| Sulfuryl chloride SO ₂ Cl ₂ | 340 | 100 | + | + | + | + | - | - |
| Sulphur monochloride S ₂ Cl ₂ | 290 | 100 | - | - | - | - | - | - |
| Sulphur dioxide (Gas) SO ₂ | 370 | 100 | + | + | + | + | - | - |
| Sulphuric acid (concentrated) H ₂ SO ₄ | 370 420 | 98 98 | + | + | + | - | - | - |
| Sulphuric acid (dilute) H ₂ SO ₄ | 415 | 48 | + | + | + | + | - | - |
| Sulphuric acid (oleum) H ₂ SO ₄ + SO ₃ | 290 | 98 | - | - | - | - | - | - |
| Sulphurous acid H ₂ SO ₃ | 370 | all | + | + | + | + | + | + |
| Sulphur trioxide SO ₃ | 370 | >50 | - | - | - | - | - | - |
| Thionyl chloride SOCl ₂ | 345 | 100 | + | + | + | + | - | - |