

CHEMICAL RESISTANCE CHART PVC Membrane

| Chemical | (1) % Conc. | Ratings at 72°F unless otherwise noted (2) 651 | Chemical | (1) % Conc. | Ratings at 72°F unless otherwise noted (2) 651 |
|--------------------|----------------|---|---------------------|----------------|---|
| Acetic Acid | 5 | A-130 °F | Chloroform | | C |
| Acetic Acid | 10 | A-130 °F | Chlorosulfonic Acid | | C |
| Acetic Acid | 20 | A | Chrome Alum | | A-150 °F |
| Acetic Acid | 80 | C | Chrominc Acid | 30 | A-140 °F |
| Acetic Anhydride | | C | Chromium Trioxide | | A-140 °F |
| Acetone | | X | Citric Acid | | A-130 °F |
| Alkyl Alcohol | | X | Copper Chloride | | A-150 °F |
| Alkyl Chloride | | X | Copper Nitrate | | A-150 °F |
| Aluminum Chloride | | A-150 °F | Copper Sulfate | | A-150 °F |
| Aluminum Floride | | A-140 °F | Crude Oil | | X |
| Aluminum Sulfate | 50 | A-150 °F | Cyclohexane | | X |
| Ammonium Carbonate | | A-150 °F | Cyclohexanol | | C |
| Ammonium Chloride | | A-150 °F | Cyclohexanone | | C |
| Ammonium Fluoride | 20 | A-130 °F | Dextrin | | A-150 °F |
| Ammonium Hydroxide | 20 | A-100 °F | Dibutyl Phthalate | | C |
| Ammonium Hydroxide | 30 | A | Diesel | | X |
| Ammonium Nitrate | | A-150 °F | Diethyl Ether | | C |
| Ammonium Phosphate | | T | Diethyl Ketone | | C |
| Ammonium Sulfate | | T | Diethyl Sebacate | | X |
| Ammonium Sulifide | | A-150 °F | Dimethylamine | | C |
| Amyl Acetate | | X | Diocetyl Phthalate | | X |
| Amyl Alcohol | | X | Disodium Phosphate | | A-150 °F |
| Amyl Chloride | | X | Ethyl Acetate | | C |
| Ailine | | X | Ethyl Alcohol | 10 | A |
| Antimony Chloride | | A-150 °F | Ethyl Alcohol | | C |
| Aqua Regia | | A | Ethyl Bromide | | C |
| ASTM Oil #1 | | X | Ethyl Chloride | | C |
| ASTM Oil #2 | | X | Ethylene Dichloride | | X |
| ASTM Oil #3 | | X | Ferric Chloride | | A-130 °F |
| Asphalt | | X | Ferric Nitrate | | A-130 °F |
| Barium Carbonate | | A-150 °F | Ferrous Chloride | | A-130 °F |
| Barium Hydroxide | | T | Ferrous Sulfate | | A-130 °F |
| Barium Sulfate | | A-150 °F | Fluollicle Acid | | A-130 °F |
| Benzene | | C | Formaldehyde | 40 | A |
| Benzolc Acid | | A-110 °F | Formic Acid | | C |
| Bismuth Carbonate | | A-150 °F | Freon 11 | | X |
| Borax Solutions | | T | Freon 12 | | X |
| Boric Acid | | A-130 °F | Freon 113 | | X |

| | | | | | |
|-----------------------------|----|----------|-----------------------|----|----------|
| Bromic Acid | 10 | A-110 °F | Freon 114 | | X |
| Butyl Acetate | | X | Fuel Oil # 2 | | X |
| Butyl Alcohol | | C | Fuel Oil # 6 | | X |
| Butyl Phenol | | C | Furfural | | C |
| Butyric Acid | | C | Gallic Acid | | C |
| Calcium Bisulfate | | A-150 °F | Gasoline | | X |
| Calcium Carbonate | | A-150 °F | Glucose | | A-150 °F |
| Calcium Chloride | | A-150 °F | Glycerin | | A-150 °F |
| Calcium Hydroxide | | T | n-Hexane | | X |
| Calcium Hypochlorite Bleach | | A-150 °F | Hydraulic Fluid | | X |
| Calcium Nitrate | | A-150 °F | Hydrobromic Acid | | A-130 °F |
| Calcium Sulfate | | A-150 °F | Hydrochloric Acid (4) | 20 | A-130 °F |
| Carbon Disulfide | | C | Hydrochloric Acid | 30 | A |
| Carbon Tetrachloride | | C | Hydrochloric Acid | 37 | T |
| Chloracetic Acid | | C | Hydrocyanic Acid | | T |
| Chlorobenzene | | C | Hydrofluoric Acid | 5 | A-110 °F |

Rating Key

- 1 saturated solution
- 2 aliphatic hydrocarbons.
- 3 contaminated with organic chlorides(500
- 4 peroxide. Uninhibited 10% H2O2 will not

Rating Key

- A Fluid has little or no effect
- B Fluid has minor to moderate effect
- C Fluid has severe effect
- T No data - likely to have minor effect
- X No data - Likely to have severe effect

The data above was obtained on samples of the material under laboratory conditions. To the best of RMA's knowledge this data within the accuracy and precision of the respective tests. Because of testing and sampling variability, we cannot guarantee that the other laboratories will obtain the same results and NO WARRANTY IS EXPRESSED OR IMPLIED.

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|-----------------------|----------------|---|------------------------|----------------|--|
| Hydrofluoric Acid | 20 | A-110 °F | Potassium Bicarbonate | | A-150 °F |
| Hydrofluoric Acid | 50 | A-110 °F | Potassium Carbonate | | A-150 °F |
| Hydrogen Peroxide | 3 | A-110 °F | Potassium Chromate | | A-150 °F |
| Hydrogen Peroxide (5) | 10 | A | Potassium Cyanide | | A-130 °F |
| Hydrogen Sulfide | | A-130 °F | Potassium Dichromate | | T |
| Hydroquinone | | C | Potassium Hydroxide | | T |
| Iso Octane | | X | Potassium Nitrate | | A-150 °F |
| Isopropyl Alcohol | 10 | A | Potassium Perchlorate | | A-130 °F |
| Isopropyl Alcohol | | C | Potassium Permanganate | | A-150 °F |
| JP-4Jet Fuel | | X | Potassium Sulfate | | A-150 °F |
| Kerosene | | X | Pydraul 312 | | X |
| Lactic Acid | | C | Pyridine | | X |
| Lead Acetate | | A-130 °F | Salt Water | 25 | A |
| Linseed Oil | | X | Sea Water | | A-150 °F |
| Lubricating Oils | | X | Silicone Grease | | X |
| Magnesium Carbonate | | A-140 °F | Silver Nitrate | | A-130 °F |
| Magnesium Chloride | | A-140 °F | Soap Solutions | | T |
| Magnesium Hydroxide | | T | Sodium Acetate | | A-110 °F |
| Magnesium Nitrate | | A-140 °F | Sodium Bicarbonate | | A-150 °F |
| Magnesium Sulfate | | A-140 °F | Sodium Bisulfite | | A-140 °F |
| Malic Acid | | A-100 °F | Sodium Borate | | A-150 °F |
| Mercuric Chloride | | A-130 °F | Sodium Carbonate | | A-150 °F |
| Mercurous Nitrate | | A-130 °F | Sodium Chlorate | | A-150 °F |
| Mercury | | A-150 °F | Sodium Chloride | | A-150 °F |
| Methyl Alcohol | 10 | A | Sodium Dichromate | 20 | A-150 °F |
| Methyl Alcohol | | C | Sodium Dichromate | | A-150 °F |
| Methylene Chloride | | X | Sodium Ferrocyanide | | A-150 °F |
| Methyl Ethyl Ketone | | C | Sodium Fluoride | | A-150 °F |
| Mineral Oil | | X | Sodium Hydroxide | 20 | A |
| Mineral Spirits | | X | Sodium Hydroxide | 25 | A |
| Naphtha | | X | Sodium Hydroxide | 46-1/2 | T |
| Naphthalene | | C | Sodium Hypochlorite | 60 | A-150 °F |
| Nitric Acid | 5 | A-100 °F | Sodium Hypochlorite | 5 | A-150 °F |
| Nitric Acid | 10 | A-100 °F | Sodium Nitrate | | A-150 °F |
| Nitric Acid | 30 | A-100 °F | Sodium Sulfate | | A-150 °F |
| Nitric Acid | 40 | B | Sodium Sulfite | | A-150 °F |
| Nitric Acid | 50 | X | Stannous Chloride | 15 | T |
| Nitric Acid | 60 | X | Stearic Acid | | A-110 °F |

| | |
|------------------------|----|
| Nitric Acid Red Fuming | 70 |
| Nitrobenzene | |
| Oakite #31 | |
| Oleic Acid | |
| Oxalic Acid | |
| Perchloroethylene | |
| Phenol | |
| Phenol Formaldehyde | |
| Phenylhydrazine | |
| Phosphoric Acid | 50 |
| Phosphoric Acid | 75 |
| Phosphoric Acid | |
| Phosphorous Yellow | |
| Phosphorous Pentoxide | |
| Photographic Solutions | |
| Phthalate Plasticizer | |
| Pickling Solutions | |

X
C
A-100 °F
A
A-110 °F
X
C
X
C
A-110 °F
A-110 °F
A
A-110 °F
A-110 °F
A
C
A-140 °F

| | |
|---------------------|----|
| Styrene | |
| Sulfuric Acid | 10 |
| Sulfuric Acid | 40 |
| Sulfurous Acid | |
| Tannic Acid | 10 |
| Tannic Acid | 50 |
| Tannic Acid | |
| Tetrahydrofuran | |
| Toluene | |
| Transformer Oil | |
| Triethanolamine | |
| Trisodium Phosphate | |
| Turpentine | |
| Urea | |
| Xylene | |
| Zinc Chloride | |
| Zinc Sulfate | |

X
A-150 °F
A
A
A-130 °F
A-130 °F
A-130 °F
C
C
X
C
A-150 °F
X
C
C
A-150 °F
A-150 °F

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