

# PVC Hose Chemical Resistance Chart

A=Satisfactory B=Be Expected To Change C=Unsatisfactory

**NOTE:** THIS PARTIAL LISTING IS FOR GENERAL GUIDANCE ONLY AND NO WARRANTY CAN BE EXTENDED AS EXACT OPERATING CONDITIONS MAY VARY IN EACH CASE. WE BASE THE INFORMATION ON PAST KNOWLEDGE AND EXPERIENCE.

(Reference Only, Check with Factory)

Chemical	Concentration by Weight	Operating Conditions	
		68°F	140°F
Acetate Solvents		C	C
Acetic Acid	10%	A	B
Acetic Acid	Glacial	B	C
Acetone		C	C
Acrylonitrile		A	B
Adipic Acid		A	B
Alcohol Methyl		A	B
Alcohol Ethyl		A	B
Alcohol Isopropyl		A	B
Aluminum Acetate		A	
Aluminum Chloride		A	A
Aluminum Hydroxide		A	
Aluminum Sulfate		A	A
Allyl Chloride		C	C
Ammonia	0.88S.G. Aqueous	A	A
Ammonia	Dry Gas	A	
Ammonia	Liquid	C	C
Ammonium Chloride		A	A
Animal Oils		A	A

Amyl Acetate		C	C
Aniline Oils		B	C
Aromatic Hydrocarbons		C	C
Asphalt		C	C
ASTM Fuel A		B	B
ASTM Fuel B		C	C
ASTM #1 Oil		A	A
ASTM #3 Oil		B	C
Barium Chloride		A	A
Barium Hydroxide		A	A
Barium Sulfide		A	A
Benzene		C	C
Benzine		B	B
Bordeaux Mixture		A	A
Borax		A	A
Boric Acid		A	A
Brine		A	A
Bromine Traces		C	C
Butyl Acetate		C	C
Calcium Hydroxide		A	A
Calcium Hypochlorite		A	A
Carbonic Acid		B	C
Carbon Dioxide		A	A
Carbon Disulphite		C	C
Carbon Monoxide		A	A
Carbon Tetrachloride		C	C
Casein		A	B
Chlorine	Dry Gas	A	A
Chlorine	Wet Gas	B	C

Chlorine	Water	C	C
Chlorobenzene		C	C
Chloroform		C	C
Chromic Acid		A	B
Citric Acid		A	A
Coal Tar		C	C
Copper Chloride		A	A
Copper Nitrate		A	A
Copper Suphate		A	A
Cottonseed Oil		B	C
Creosote		C	C
Cresol		A	B
Cresylic Acid		C	C
Cyclohexane		A	B
DDT Weed Killer		C	C
Detergent Synthetic		A	B
Developers Photographic		A	A
Dextrin		A	A
Dextrose		A	A
Dibutyl Phthalate		C	C
Dichlorobenzene		C	C
Diesel Oil		B	C
Diethylene Glycol		A	A
Diethy Ether		C	C
Diocetyl Phthalate		C	C
Emulsifiers		A	A
Emulsions Photographic		A	A
Ethyl Acetate		C	C
Ethylene Dichloride		C	C

Ethylene Glycol		A	A
Fatty Acid		A	A
Ferric Chloride		A	A
Ferric Sulphate		A	A
Ferrous Chloride		A	A
Ferrous Sulphate		A	A
Fixing Solution Photographic		A	A
Fluorine		C	C
Fomaldehyde	40%	C	C
Formic Acid	40%	A	A
Formic Acid	50%	B	C
Formic Acid	100%	C	C
Fuel Oil		B	C
Glacial Acetic Acid		B	C
Glucose		A	A
Glycerine		A	A
Grape Sugar		A	A
Grease		A	B
Heptane		B	C
Hexane		B	C
Hydrobromic Acid		C	C
Hydrochloric Acid	10%	C	C
Hydrochloric Acid	40%	C	C
Hydrofluoric Acid	10%	C	C
Hydrofluoric Acid	40%	C	C
Hydrofluoboric Acid		A	A
Hydrofluosilicic Acid		A	A
Hydrogen Peroxide		A	
Hydrogen Sulphide		A	

Iso-Octan		A	B
Isopropyl Acetate		C	C
Kerosene		B	B
Ketones		C	C
Lactic Acid	10%	A	
Lactic Acid	100%	C	C
Lacquer Solvents		B	C
Linseed Oil		A	A
Lubricating Oils		A	A
Magnesium Chloride		A	A
Magnesium Hydroxide		A	A
Magnesium Sulphate		A	A
Malic Acid		A	A
Methyl Acetate		C	C
Methyl Bromide		C	C
Methyl Ethyl Ketone		C	C
Methylene Chloride		C	C
Mineral Oils		A	B
Monochlorobenzene		C	C
Naphtha		B	C
Naphthalene		C	C
Nitric Acid	10%	A	A
Nitric Acid	40%	A	B
Nitric Acid	70%	C	C
Nitrobenzene		C	C
Nitrogen Fertilizers		A	
Oleic Acid		A	B
Oxalic Acid		A	A
Palmitic Acid		A	A

Paraffin		A	A
Pentane		A	A
Perchloroethylene		C	C
Phenol		B	C
Phosphoric Acid		A	A
Pitch		A	B
Potassium Hydroxide		A	A
Propane		A	A
Sea Water		A	A
Sodium Hydroxide	10%	A	A
Sodium Hydroxide	50%	A	C
Sodium Cyanide		A	A
Soybean Oil		A	B
Stearic Acid		A	A
Styrene		C	C
Sulphur Dioxide	Dry	A	A
Sulphur Dioxide	Moist	B	C
Sulphur Dioxide	Liquid	C	C
Sulphuric Acid	45%	A	A
Sulphuric Acid	60%	B	B
Sulphuric Acid	98%	C	C
Sulphurous Acid	30%	B	
Tannic Acid		A	A
Tartaric Acid		A	A
Tetrahydrofuran		C	C
Toluene		C	C
Trichlorethylene		C	C
Triethanolamine		A	A
Tricresyl Phosphate		C	C

Turpentine	B	C
Urea	A	A
Vinegar	A	A
Vinyl Acetate	C	C
Vinyl Chloride	C	C
Water	A	A
Xylene	C	C
Zinc Chloride	A	A
Zinc Sulphate	A	A