



## PVC Chemical Resistance Chart

A: Satisfactory

C: Questionable - Suggest testing

U: Unsatisfactory

Chemical	Concentration	Temperature		Chemical	Concentration	Temperature	
		20°C	60°C			20°C	60°C
		68°F	140°F			68°F	140°F
Acetate Solvents		U	U	Chlorine	Water	U	U
Acetic Acid	10 %	A	C	Chlorobenzene		U	U
Acetic Acid	Glacial	C	U	Chlorinated Hydrocarbons		U	U
Acetone		U	U	Chloroform		U	U
Acrylonitrile		A	C	Chromic Acid	10%	A	C
Adipic Acid		A	C	Citric Acid		A	A
Alcohol Butyl		A	C	Coal Tar		U	U
Alcohol Ethyl		A	C	Copper Chloride		A	A
Alcohol Isorpropyl		A	C	Copper Nitrate		A	A
Alcohol Methyl		A	C	Copper Sulphate		A	A
Aluminum Acetate		A		Cottonseed Oil			
Aluminum Chloride		A	A	Creosote		U	U
Aluminum Hydroxide		A		Cresol		A	C
Aluminum Sulfate		A	A	Cresylic Acid		U	U
Allyl Chloride				Cyclohexane		A	C
Ammonia	0.88 S.G. (Aqueous)	A	A	Cyclohexanone		U	U
Ammonia	Dry Gas	A		DDT Weed Killer		A	C
Ammonia	Liquid	U	U	Detergent Synthetic		A	A
Ammonium Chloride		A	A	Developers Photographic		A	A
Ammonium Hydroxide		A		Dextrin		A	A
Animal Oils				Dextrose		A	A
Amyl Acetate		U	U	Dibutyl Phthalate		U	U
Aniline Oils				Dichlorobenzene		U	U
Aromatic Hydrocarbons		U	U	Diesel Oil			
Asphalt		U	U	Diethylene Glycol		A	A
ASTM Fuel A		A	A	Diethyl Ether		U	U
ASTM Fuel B		U	U	Di-isodecyl Phthalate		U	U
ASTM # 1 Oil				Dicotyl Phthalate		U	U
ASTM # 3 Oil				Emulsifiers		A	A
Barium Chloride		A	A	Emulsions Photographic		A	A
Barium Hydroxide		A	A	Ethyl Acetate		U	U
Barium Sulfide		A	A	Ethylene Dichloride		U	U
Benzene		U	U	Ethylene Glycol		A	A
Benzine		C	C	Fatty Acid		A	A
Bordeaux Mixture		A	A	Ferric Chloride		A	A
Borax		A	A	Ferric Sulphate		A	A
Boric Acid		A	A	Ferrous Chloride		A	A
Brine		A	A	Ferrous Sulphate		A	A
Bromine Traces		U	U	Fixing Solution Photographic		A	A
Butyl Acetate		U	U	Fluorine		U	U
Calcium Hydroxide		A	A	Formaldehyde	40%	U	U
Calcium Hypochlorite		A	A	Formic Acid	40%	A	A
Carbonic Acid		C	U	Formic Acid	50%	C	U
Carbon Dioxide		A	A	Formic Acid	100%	U	U
Carbon Disulphite		U	U	Fuel Oil			
Carbon Monoxide		A	A	Glacial Acetic Acid		C	U
Carbon Tetrachloride		U	U	Glucose		A	A
Casein		A	C	Glycerine		A	A
Chlorine	Dry Gas	A	A	Grape Sugar		A	A
Chlorine	Wet Gas	C	U	Grease			



Chemical	Concentration	Temperature		Chemical	Concentration	Temperature	
		20°C	60°C			20°C	60°C
		68°F	140°F			68°F	140°F
Heptane		C	U				
Hexane		C	U	Sulphuric Acid	45%	A	A
Hydrobromic Acid		A	A	Sulphuric Acid	60%	C	C
Hydrochloric Acid	10 %	A	A	Sulphuric Acid	98%	U	U
Hydrochloric Acid	40%	A	U	Sulphurous Acid	30%	A	
Hydrofluoric Acid	10%	A	C	Tannic Acid		A	A
Hydrofluoric Acid	40%	A	U	Tartaric Acid		A	A
Hydrofluoboric Acid		A	A	Tetrahydrofuran		U	U
Hydrofluosilicic Acid		A	A	Toluene		U	U
Hydrogen Peroxide		A		Trichlorethylene		U	U
Hydrogen Sulphide		A		Triethanolamine		A	A
Iso-octan		A	C	Tricresyl Phosphate		U	U
Isopropyl Acetate		U	U	Turpentine		C	U
Kerosene		C	C	Urea		A	A
Ketones		U	U	Vinegar		A	A
Lactic Acid	10%	A		Vinyl Acetate		U	U
Lactic Acid	100%	U	U	Vinyl Chloride		U	U
Lacquer Solvents		C	U	Water		A	A
Linseed Oils				Xylene		U	U
Magnesium Chloride		A	A	Zinc Chloride		A	A
Magnesium Hydroxide		A	A	Zinc Sulphate		A	A
Magnesium Sulphate		A	A				
Malic Acid		A	A				
Methyl Acetate		U	U				
Methyl Bromide		U	U				
Methyl Ethyl Ketone		U	U				
Methylene Chloride		U	U				
Mineral Oils							
Monochlorobenzene		U	U				
Naphtha		C	U				
Napthalene		C	U				
Nitric Acid	10%	A	A				
Nitric Acid	40%	A	C				
Nitric Acid	70%	U	U				
Nitrobenzene		U	U				
Nitrogen Fertilizers		A					
Oleic Acid		A	C				
Oxalic Acid		A	A				
Palmitic Acid		A	A				
Paraffin		A	A				
Pentane		C	U				
Perchloroethylene		U	U				
Phenol		C	U				
Phosphoric Acid		A	A				
Pitch		A	C				
Potassium Hydroxide		A	A				
Propane		A	A				
Sea Water		A	A				
Sodium Hydroxide (caustic soda)	10%	A	A				
Sodium Hydroxide (caustic soda)	50%	A	U				
Sodium Cyanide		A	A				
Soybean Oil							
Stearic Acid		A	A				
Styrene		U	U				
Sulphur Dioxide	Dry	A	A				
Sulphur Dioxide	Moist	C	U				
Sulphur Dioxide	Liquid	U	U				