

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 Isorpopyl		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			