PVC CHEMICAL RESISTANCE CHART

A: Satisfactory

C: Questionable - Suggest testing

U: Unsatisfactory

Blank: No data available

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

Chemical	Concentration	Temperature 20° C 68° F	Temperature 60° C 140° F
Grape Sugar		A	A
Grease		A	C
Heptane		C	U
Hexane		C	U
Hydrobromic Acid		A	A
Hydrochloric Acid	10%	A	A
Hydrochloric Acid	40%	A	U
Hydrofluoric Acid	10%	A	C
Hydrofluoric Acid	40%	A	U
Hydrofluoboric Acid		A	A
Hydrofluosilicic Acid		A	A
Hydrogen Peroxide		A	
Hydrogen Sulphide		A	
Iso-octan		A	C
Isopropyl Acetate		U	U
Kerosene		C	C
Ketones		U	U
Lactic Acid	10%	A	
Lactic Acid	100%	U	U
Lacquer Solvents		C	U
Linseed Oil			
Lubricating Oils			
Magnesium Chloride		A	A
Magnesium Hydroxide		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		A	
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

Chemical	Concentration	Temperature 20° C 68° F	Temperature 60° C 140° F
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		A	C
Stearic Acid		A	A
Styrene		U	U
Sulphur Dioxide	Dry	A	A
Sulphur Dioxide	Moist	C	U
Sulphur Dioxide	Liquid	U	U
Sulphuric Acid	45%	A	A
Sulphuric Acid	60%	C	C
Sulphuric Acid	98%	U	U
Sulphurous Acid	30%	A	C
Tannic Acid		A	A
Tartaric Acid		A	A
Tetrahydrofuran		U	U
Toluene		U	U
Trichlorethylene		U	U
Triethanolamine		A	A
Tricresyl Phosphate		U	U
Turpentine		C	U
Urea		A	A
Vinegar		A	A
Vinyl Acetate		U	U
Vinyl Chloride		U	U
Water		A	A
Xylene		U	U
Zinc Chloride		A	A
Zinc Sulphate		A	A