

# CHEMICAL RESISTANCE

A-SATISFACTION		B-DEPENDS ON APPLICATION		C-DISSATISFACTION		D-UNSERVICEABILITY	
CHEMICAL NAME CONCENTRATION	PVC HOSES		CHEMICAL NAME CONCENTRATION	PVC HOSES			
	SOFT TUBING	RIGID HELIX		SOFT TUBING	RIGID HELIX		
Acetaldehyde	C	B	Cellosolve, Acetate	D	D		
Acetamide	C	B	Cellosolve, Butyl	D	D		
Acetic acid [10%]	A	A	China wood (tung)	B	A		
Acetic acid [50%]	B	A	Chlorine gas (dry)	C	B		
Acetic acid [100%]	C	C	Chlorine gas (wet)	C	B		
Acetic anhydride	C	C	Chlorine liquide	D	C		
Acetone	C	D	Chlorinated solvents	D	D		
Acetylene	A	A	Chloroacetic acid	C	A		
Acrylonitrile	D	C	Chloroacetone	D	D		
Aluminum chloride	B	A	Chloroform	D	D		
Aluminum fluoride	B	A	(o-) Chloronaphthalene	D	D		
Ammonia(anhydrous)	B	B	Chlorosulfonic acid	D	C		
Ammonia gas [wet]	C	B	Chlorotoluene	D	D		
Ammonia gas [dry]	D	C	Chromic acid [2%]	A	B		
Ammonia liquid	B	A	Chromic acid [5%]	B	B		
Ammonium hydroxide (Ammonia water)	B	A	Chromic acid [10%]	B	B		
Ammonium nitrite	B	A	Chromic acid [25%]	B	B		
Ammonium persulfate	B	A	Corn oil	C	B		
Ammonium phosphate	B	A	Cottonseed oil	C	B		
Amyl acetate	D	D	Creosote oil	C	B		
Amyl alcohol	C	B	Cresol	C	A		
Aniline	D	D	Cyclohexance	C	D		
Aniline dyes	A	A	Cyclohexanol	D	D		
Animal oil (Lard oil)	C	B	Cyclohexanone	C	D		
Aqua regia	D	C	Developing solutions (Hypos)	A	A		
Arsenic acid	B	A	Dibenzyl ether	D	C		
Asphalt	A	A	Dibutyl ether	D	C		
ASTM oil [No. 1]	C	A	Dibutyl phthalate (DBP)	D	D		
ASTM oil [No. 2]	C	A	Dichlorobenzene	D	C		
ASTM oil [No. 3]	C	A	Diethylene glycol	A	B		
Barium sulfate	A	A	Diethyl ether	C	C		
Barium sulfide	B	A	Diethyl sebacate (DES)	D	C		
Benzaldehyde	D	C	Diisopropyl ketone	D	D		
Benzene (Benzol)	C	D	Dimethyl aniline	D	D		
Benzine	B	A	Dimethyl formamide	C	D		
Benzyl alcohol	C	B	Diocetyl phthalate (DOP)	C	D		
Benzyl benzoate	B	A	Dioctyl sebacate (DOS)	D	D		
Benzyl chloride	D	C	Dioxane	D	D		
Bromine	C	C	Diphenyl oxide	D	D		
Butane	B	A	Epichlorohydrine	D	D		
Butyl acetate	D	D	Ethanolamine	D	D		
Butyl acrylate	D	D	Ethyl acetate	C	D		
Butyl alcohol (Butanol)	D	A	Ethyl acetoacetate	C	D		
Butal stearate	B	A	Ethyl acrylate	D	D		
Calcium acetate	A	A	Ethyl alcohol	B	B		
Calcium hydroxide	A	A	Ethyl benzene	D	D		
Calcium hypochlorite [20%]	A	A	Ethyl cellulose	D	B		
calcium sulfate	A	A	Ethyl chloride	D	D		
Carbitol	D	C	Ethylene chlorohydrin	D	D		
Carbon disulfide	C	D	Ethylene diamine	D	D		
Carbonic acid	A	A	Ethylene dichloride	C	D		
Carbon tetrachloride	C	D	Ethylene glycol	A	C		
Castor oil	C	A	Ethylene oxide	D	D		
Cellosolve	D	D	Ethyl mercaptan	D	N/A		
			Ethyl oxalate	D	C		

# CHEMICAL RESISTANCE

A-SATISFACTION		B-DEPENDS ON APPLICATION		C-DISSATISFACTION		D-UNSERVICEABILITY	
CHEMICAL NAME CONCENTRATION	PVC HOSES		CHEMICAL NAME CONCENTRATION	PVC HOSES			
	SOFT TUBING	RIGID HELIX		SOFT TUBING	RIGID HELIX		
Ethyl silicate	D	C	Potassium cyanide	A	A		
Eatty acid	A	A	Potassium dishomate [10%]	A	A		
Ferric sulfate	A	A	Potassium permanganate [5%]	A	A		
Fluorboric acid	A	A	Potassium sulfate	A	A		
Fluorobenzene	D	D	Propane	A	A		
Formaldehyde [40%]	B	B	Propyl acetate	D	D		
Formic acid [25%]	C	A	Propyl alcohol	A	B		
Formic acid [50%]	B	A	Propylene	C	B		
Formic acid [90%]	C	B	Pyridine	D	D		
Fuel oil	D	B	Pyrrrole	D	D		
Furan, Furfuran	C	D	Salicylic acid	A	A		
Furfural	D	B	Salt water	A	A		
Gasoline	C	B	Silicate esters	B	B		
Gelatin	A	A	Silicaone greases	A	B		
Glauber's salt	A	A	Silicone oils	A	B		
Glycerin	A	A	Sodium cyanide	A	A		
Grease	D	B	Sodium hydroxide [10%]	A	A		
(n-) Hexaldehyde	D	D	Sodium hydroxide [30%]	B	A		
Hexane	C	B	Sodium hypochlorite [5%]	A	A		
Hexyl alcohol	C	B	Sodium metapphosphate	A	A		
Hydrobromic acid [10%]	A	A	Sodium phosphate	A	A		
Hydrobromic acid [20%]	B	A	Sodium thiosulfate	A	A		
Hydrobromic acid [38%]	B	A	Sodium sulfite	B	A		
Hydrochloric acid [10%]	B	A	Soybean oil	C	B		
Hydrochloric acid [20%]	B	A	Stannic chloride	B	A		
Hydrochloric acid [38%]	C	A	Steam [150 °C]	D	D		
Hydrochloric acid [80%]	C	C	Stearic acid	B	A		
Hydrocyanic acid	B	A	Styrene	D	D		
Hydrofluoric acid [10%]	A	A	Sucrose solutions	A	A		
Hydrofluoric acid [20%]	B	A	Sulfur	B	A		
Hydrofluoric acid [40%]	C	A	Sulfur chloride	A	A		
Hydrofluoric acid anhydrous	C	B	Sulfur dioxide	A	A		
Hydrogen	A	A	Sulfuric acid [10%]	A	A		
Hydrogen peroxide [5%]	A	A	Sulfuric acid [30%]	B	A		
Hydrogen peroxide [30%]	A	A	Sulfuric acid [98%]	C	C		
Hydrogen sulfide	B	A	Sulfuric acid [Fuming]	C	D		
Hydroquinone	B	A	Sulfurous acid [10%]	A	A		
Hypochlorous acid	B	A	Tannic acid	B	A		
Isobutyl alcohol	D	A	Tar	D	C		
Isooctane	C	D	Tartaric acid	B	A		
Isopropyl acetate	D	D	Tetrachloroethane	C	D		
Isopropyl alcohol	B	B	Tetraethyl lead	C	B		
Perchloric acid	A	B	Tetrahydrofuran	C	D		
Perchloroethylene	D	C	Tetralin	D	C		
Petroleum	C	B	Thionyl chloride	D	D		
Phenyl hydrazine	D	D	Toluene	C	D		
Phenol	D	A	Tributyl phosphate (TBP)	D	D		
Phosphoric acid [50%]	A	A	Trichloroethylene (Trichlene)	C	D		
Phosphoric acid [75%]	B	B	Tricresyl phosphate (TCP)	D	D		
Pickling solution	B	A	Triethanol amine	C	B		
Pickling solution (Sulfuric acid 40%+acid 15%)	B	A	Turpentine oil	B	B		
Picric acid	D	C	Vegetable oil	C	B		
Pinene	D	D	Vinegar	B	A		
Pine oil	D	C	Xylene	C	D		