

PVDF

Polyvinylidene Fluoride

Chemical Resistance Chart



Fluorolined
Equipment Pvt. Ltd.

Chemical Substance	Concentration*	Maximum ^{b, d} Temperature	
		°F	°C
Acetaldehyde		NR ^c	
Acetamide		75	25
Acetic Acid		120	50
Acetic Acid	10% in water	225	110
Acetic Acid	50% in water	200	95
Acetic Acid	80% in water	150	65
Acetic Anhydride		NR	
Acetone		NR	
Acetone	10% in water	125	50
Acetonitrile		125	50
Acetophenone		NR	
Acetyl Bromide		125	50
Acetyl Chloride		125	50
Acetylacetone		NR	
Acetylene		250	120
Acrylonitrile		75	25
Adipic Acid		150	65
Air		285	140
Alcoholic Spirits	40% Ethyl Alcohol	200	95
Allyl Alcohol		125	50
Allyl Chloride		212	100
Aluminium Acetate	Aqueous solution or solid	285	140
Aluminium Bromide		285	140
Aluminium Chloride	Upto 40% in water	285	140
Aluminium Fluoride	Aqueous solution or solid	275	135
Aluminium Hydroxide		275	135
Aluminium Nitrate	Aqueous solution or solid	275	135
Aluminium Oxychloride		275	135
Aluminium Sulphate	Aqueous solution or solid	275	135
Ammonia, Gas		NR	
Ammonia, Liquid		NR	
Ammonium Acetate	Aqueous solution or solid	175	80
Ammonium Alum	Aqueous solution or solid	275	135
Ammonium Bifluoride	Aqueous solution or solid	150	65
Ammonium Bromide	Aqueous solution or solid	250	120
Ammonium Carbonate	Aqueous solution or solid	275	135
Ammonium Chloride	Aqueous solution or solid	275	135
Ammonium Dichromate	Aqueous solution or solid	250	120
Ammonium Fluoride	Aqueous solution or solid	275	135
Ammonium Hydroxide	Upto 'concentrated'	225	110
Ammonium Metaphosphate	Aqueous solution or solid	275	135
Ammonium Nitrate	Aqueous solution or solid	275	135
Ammonium Persulphate	Aqueous solution or solid	75	25
Ammonium Phosphate	Aqueous solution or solid	275	135
Ammonium Sulphate	Aqueous solution or solid	275	135
Ammonium Sulphide	Aqueous solution or solid	125	50
Ammonium Thiocyanate	Aqueous solution or solid	275	135
Amyl Acetate		125	50
Amyl Alcohol		275	135
Sec-Amyl Alcohol		125	50
Amyl Chloride		285	140
Aniline		100	40
Aniline Hydrochloride	Aqueous solution or solid	75	25
Aqua Regia		75	25
Arsenic Acid	Aqueous solution	275	135
Asphalt		250	120
Barium Carbonate		285	140
Barium Chloride	Aqueous solution or solid	285	140
Barium Hydroxide		275	135
Barium Nitrate	Aqueous solution or solid	275	135
Barium Sulphate		285	140

Chemical Substance	Concentration*	Maximum ^{b, d} Temperature	
		°F	°C
Barium Sulphide		275	135
Beer		212	100
Beet Sugar Liquors		225	110
Benzaldehyde		70	20
Benzene		170	75
Benzenesulphonic Acid	Aqueous solution or solid	125	50
Benzoic Acid		225	110
Benzoyl Chloride		170	75
Benzoyl Peroxide		170	75
Benzyl Alcohol		250	120
Benzyl Chloride		285	140
Benzyl Ether		100	40
Benzylamine	Aqueous solution or liquid	75	25
Black Liquor		175	80
Bleaching Agents		275	135
Borax		275	135
Boric Acid		275	135
Boron Trifluoride		75	25
Brine		285	140
Brine, acid		285	140
Brine, basic		285	140
Brine, chlorinated acid		200	95
Bromic Acid	Aqueous solution	200	95
Bromine dry gas		150	65
Bromine, liquid		150	65
Bromine, Water		212	100
Bromobenzene		150	65
Bromoform		150	65
m-Bromotoluene		175	80
Butadiene		250	120
Butane		250	120
Butanediol	Aqueous solution or liquid	275	135
Butyl Acetate		80	25
Butyl Alcohol	Aqueous solution or liquid	225	110
sec-Butyl Alcohol	Aqueous solution or liquid	200	95
t-Butyl Alcohol	Aqueous solution or liquid	200	95
Butyl Acrylate		125	50
Butyl Bromide		285	140
Butyl Chloride		285	140
Butyl Ether		100	40
Butyl Mercaptan		285	140
Butyl Stearate		100	40
Butylamine	Aqueous solution or liquid	NR	
sec-Butylamine	Aqueous solution or liquid	70	20
t-Butylamine	Aqueous solution or solid	70	20
1-Butylene		285	140
Butylphenol		225	110
Butyraldehyde		150	65
Butyric Acid		225	110
Calcium Acetate	Aqueous solution or solid	285	140
Calcium Bisulphate	Aqueous solution or solid	285	140
Calcium Bisulphite	Aqueous solution or solid	200	95
Calcium Bromide	Aqueous solution or solid	285	140
Calcium Carbonate		285	140
Calcium Chlorate	Aqueous solution or solid	285	140
Calcium Chloride	Aqueous solution or solid	285	140
Calcium Hydroxide		275	135
Calcium Hypochlorite	Aqueous solution or solid	200	95
Calcium Nitrate	Aqueous solution or solid	275	135
Calcium Oxide		250	120
Calcium Phosphate		285	140

Chemical Substance	Concentration*	Maximum ^{b, d} Temperature	
		°F	°C
Calcium Sulphate		285	140
Cane Sugar Liquors		285	140
Caprylic Acid		175	80
Carbon Dioxide		285	140
Carbon Disulphide		75	25
Carbon Monoxide		285	140
Carbon Tetrachloride		275	135
Carbonic Acid		275	135
Casein		250	120
Castor Oil		285	140
Chloral Hydrate		75	25
Chlorinated Phenol		150	65
Chlorine	5% in CCl ₄	200	95
Chlorine, gas		200	95
Chlorine, liquid		200	95
Chlorine Dioxide		150	65
Chlorine Water		225	110
Chloroacetic Acid	Aqueous solution or pure	NR	
Chloroacetyl Chloride		125	50
Chlorobenzene		170	75
Chlorobenzene-sulphonic Acid	Aqueous solution or pure	200	95
Chlorobenzyl Chloride		125	50
Chlorofluorocarbon 11		200	95
Chlorofluorocarbon 12		200	95
Chlorofluorocarbon 13		200	95
Chlorofluorocarbon 14		200	95
Chlorofluorocarbon 21		200	95
Chlorofluorocarbon 22		200	95
Chlorofluorocarbon 113		200	95
Chlorofluorocarbon 114		200	95
Chloroform		125	50
6-Chlorohexanol		170	75
Chlorohydrin		125	50
Chloropicrin		150	65
Chlorosulphonic Acid		NR	
Chlorotrimethylsilane		125	50
Chrome Alum	Aqueous solution or solid	200	95
Chromic Acid	Upto 40% in water	175	80
Chromic Acid	50% in water	125	50
Chromyl Chloride		125	50
Cider		140	60
Citric Acid	Aqueous solution or solid	275	135
Coal Gas		225	110
Coconut Oil		285	140
Copper Acetate	Aqueous solution or solid	250	120
Copper Carbonate, basic		285	140
Copper Chloride	Aqueous solution or solid	285	140
Copper Cyanide		275	135
Copper Fluoride		275	135
Copper Nitrate	Aqueous solution or solid	275	135
Copper Sulphate	Aqueous solution or solid	285	140
Corn Oil		285	140
Corn Syrup		250	120
Cottonseed Oil		285	140
Cresol		150	65
Cresylic Acid		150	65
Crotonaldehyde		125	50
Crude Oil		285	140
Cryolite		250	120
Cuprous Chloride		250	120
Cyclohexane		285	140

Chemical Substance	Concentration ^a	Maximum ^{b,d} Temperature	
		°F	°C
Cyclohexanol		150	65
Cyclohexanone		75	25
Cyclohexyl Acetate		200	95
Decane		250	120
Dextrin	Aqueous solution or solid	250	120
Diacetone Alcohol		75	25
p-Dibromobenzene		200	95
1,2-Dibromopropane		200	95
Dibutyl Phthalate		NR	
Dibutyl Sebacate		NR	
Dibutylamine	Aqueous solution or liquid	70	20
Dichloroacetic Acid	Aqueous solution or liquid	125	50
o-Dichlorobenzene		150	65
Dichlorodimethylsilane		125	50
Dichloroethylene		225	110
2,2-Dichloropropionic Acid		125	50
α-Dichlorotoluene		150	65
Diesel Fuels		285	140
Diethanolamine	Aqueous solution or liquid	NR	
Diethylamine	Aqueous solution or liquid	75	25
Diethyl Malonate		NR	
Diethylenetriamine	Aqueous solution or liquid	125	50
Diglycolic Acid		75	25
Diisobutyl Ketone		125	50
Diisobutylene		285	140
Diisopropyl Ketone		70	20
Dimethyl Acetamide		NR	
Dimethyl Formamide		NR	
Dimethyl Phthalate		75	25
Dimethyl Sulphate		75	25
Dimethyl Sulphoxide		NR	
Dimethylamine	Aqueous solution or gas	75	25
Dimethylaniline		75	25
2,6-Dimethyl-4-heptanol		200	95
2,5-Dimethyl-1,5-hexadiene		250	120
Diocetyl Phthalate		75	25
1,4-Dioxane		NR	
Dioxolane		NR	
Dipropylene Glycol Methyl Ether		75	25
Disodium Phosphate	Aqueous solution or solid	200	95
Divinyl Benzene		125	50
Epichlorohydrin		NR	
Epsom Salts	Aqueous solution or solid	200	95
Ethanethiol		75	25
Ethanolamine	Aqueous solution or liquid	NR	
2-Ethoxyethyl Acetate	Aqueous solution or liquid	200	95
Ethyl Acetate		NR	
Ethyl Acetoacetate		75	25
Ethyl Acrylate		75	25
Ethyl Alcohol	Aqueous solution or liquid	285	140
Ethyl Chloride		285	140
Ethyl Chloroacetate		75	25
Ethyl Chloroformate		125	50
Ethyl Cyanoacetate		75	25
Ethyl Ether		125	50
Ethyl Formate		75	25
Ethylbenzene		125	50
Ethylene Chlorohydrin	Aqueous solution or liquid	75	25
Ethylene Dichloride		275	135
Ethylene Glycol	Aqueous solution or liquid	285	140
Ethylene Oxide		200	95

Chemical Substance	Concentration ^a	Maximum ^{b, c} Temperature	
		°F	°C
Ethylenediamine	Aqueous solution or liquid	225	110
2-Ethyl-1-hexanol		250	120
Fatty Acids		285	140
Fatty Acids, Sulphonates		175	80
Ferric Chloride	Aqueous solution or solid	285	140
Ferric Hydroxide		250	120
Ferric Nitrate	Aqueous solution or solid	275	135
Ferric Sulphate		285	140
Ferric Sulphide		250	120
Ferrous Chloride	Aqueous solution or solid	285	140
Ferrous Hydroxide		250	120
Ferrous Nitrate	Aqueous solution or solid	275	135
Ferrous Sulphate		285	140
Fluorine		75	25
Fluoroboric Acid	Aqueous solution	275	135
Fluorosilic Acid		275	135
Formaldehyde	37% in water	125	50
Formic Acid	Aqueous solution or liquid	250	120
Fructose	Aqueous solution or solid	285	140
Fruit Juices, Pulp		212	100
Fuel Oil		285	140
Fumaric Acid		170	65
Furan		NR	
Furfural		75	25
Furfuryl Alcohol	Aqueous solution or liquid	100	40
Gallic Acid		75	25
Gas, manufactured		285	140
Gas, natural		285	140
Gasoline, leaded		285	140
Gasoline, sour		285	140
Gasoline, unleaded		285	140
Gelatin		250	120
Gin		200	95
Glucose	Aqueous solution or solid	285	140
Glue		250	120
Glutamic Acid		200	95
Glycerine	Aqueous solution or liquid	285	140
Glycine	Aqueous solution or solid	75	25
Glycolic Acid		75	25
Heptane		285	140
Hexachloro-1, 3-butadiene		125	50
Hexamethylenediamine		NR	NR
Hexamethylphosphotriamide		NR	
Hexane		285	140
Hexyl Alcohol		175	80
Hydrazine	Aqueous solution or liquid	200	95
Hydrazine Dihydrochloride	Aqueous solution or solid	75	25
Hydrazine Hydrate	Aqueous solution or liquid	125	50
Hydriodic Acid	Aqueous solution	275	135
Hydrobromic Acid	Upto 50% in water	275	135
Hydrochloric Acid	Upto " concentrated"	285	140
Hydrocyanic Acid	Aqueous solution	275	135
Hydrofluoric Acid	Upto 40% in water	250	120
Hydrofluoric Acid	41-100% in water	200	95
Hydrogen		285	140
Hydrogen Chloride		285	140
Hydrogen Cyanide		275	135
Hydrogen Fluoride		200	95
Hydrogen Peroxide	Upto 30% in water	200	95
Hydrogen Peroxide	90% in water	70	20
Hydrogen Sulphide		275	135

Chemical Substance	Concentration*	Maximum ^{b, d} Temperature	
		°F	°C
Ethylenediamine	Aqueous solution or liquid	225	110
2-Ethyl-1-hexanol		250	120
Fatty Acids		285	140
Fatty Acids, Sulphonates		175	80
Ferric Chloride	Aqueous solution or solid	285	140
Ferric Hydroxide		250	120
Ferric Nitrate	Aqueous solution or solid	275	135
Ferric Sulphate		285	140
Ferric Sulphide		250	120
Ferrous Chloride	Aqueous solution or solid	285	140
Ferrous Hydroxide		250	120
Ferrous Nitrate	Aqueous solution or solid	275	135
Ferrous Sulphate		285	140
Fluorine		75	25
Fluoroboric Acid	Aqueous solution	275	135
Fluorosilicic Acid		275	135
Formaldehyde	37% in water	125	50
Formic Acid	Aqueous solution or liquid	250	120
Fructose	Aqueous solution or solid	285	140
Fruit Juices, Pulp		212	100
Fuel Oil		285	140
Fumaric Acid		170	65
Furan		NR	
Furfural		75	25
Furfuryl Alcohol	Aqueous solution or liquid	100	40
Gallic Acid		75	25
Gas, manufactured		285	140
Gas, natural		285	140
Gasoline, leaded		285	140
Gasoline, sour		285	140
Gasoline, unleaded		285	140
Gelatin		250	120
Gin		200	95
Glucose	Aqueous solution or solid	285	140
Glue		250	120
Glutamic Acid		200	95
Glycerine	Aqueous solution or liquid	285	140
Glycine	Aqueous solution or solid	75	25
Glycolic Acid		75	25
Heptane		285	140
Hexachloro-1, 3-butadiene		125	50
Hexamethylenediamine		NR	NR
Hexamethylphosphotriamide		NR	
Hexane		285	140
Hexyl Alcohol		175	80
Hydrazine	Aqueous solution or liquid	200	95
Hydrazine Dihydrochloride	Aqueous solution or solid	75	25
Hydrazine Hydrate	Aqueous solution or liquid	125	50
Hydriodic Acid	Aqueous solution	275	135
Hydrobromic Acid	Upto 50% in water	275	135
Hydrochloric Acid	Upto * concentrated"	285	140
Hydrocyanic Acid	Aqueous solution	275	135
Hydrofluoric Acid	Upto 40% in water	250	120
Hydrofluoric Acid	41-100% in water	200	95
Hydrogen		285	140
Hydrogen Chloride		285	140
Hydrogen Cyanide		275	135
Hydrogen Fluoride		200	95
Hydrogen Peroxide	Upto 30% in water	200	95
Hydrogen Peroxide	90% in water	70	20
Hydrogen Sulphide		275	135

Chemical Substance	Concentration ^a	Maximum ^{b, d} Temperature	
		°F	°C
Methylamine		NR	
Methylchloroform		125	50
Methylene Bromide		175	80
Methylene Chloride		125	50
Methylene Iodide		200	95
Methylsulphuric Acid	Aqueous solution or liquid	125	50
Methyltrichlorosilane		150	65
Milk		250	120
Mineral Oil		285	140
Molasses		175	80
Morpholine	Aqueous solution or liquid	75	25
Motor Oil		275	135
Naphtha		275	135
Naphthalene		200	95
Nickel Acetate	Aqueous solution or solid	250	120
Nickel Chloride	Aqueous solution or solid	285	140
Nickel Nitrate	Aqueous solution or solid	285	140
Nickel Sulphate	Aqueous solution or solid	285	140
Nicotine		70	20
Nicotinic Acid		250	120
Nitric Acid	Upto 10% in water	175	80
Nitric Acid	11-70% in water	125	50
Nitric Acid, fuming		NR	
Nitrobenzene		75	25
Nitroethane		70	20
Nitrogen		285	140
Nitrogen Dioxide		170	75
Nitroglycerin		125	50
Nitromethane		120	50
Nitrotoluene		175	80
Nitrous Oxide		NR	
Octane		285	140
Octene		285	140
Oleic Acid		250	120
Oleum		NR	
Olive Oil		250	120
Oxalic Acid		125	50
Oxygen		285	140
Ozone		225	110
Palm Oil		200	95
Palmitic Acid		250	120
Paraffin		250	120
Paraffin Oil		250	120
Peanut Oil		250	120
Perchloric Acid	10% in water	200	95
Perchloric Acid	70% in water	125	50
Perchloroethylene		275	135
Perchloromethyl Mercaptan		125	50
Petrolatum		285	140
Petroleum		275	135
Phenol	5% in water	175	80
Phenol		125	50
1-Phenol-2-sulphonic Acid		125	50
Phenyl Ether		125	50
Phenyhydrazine		125	50
Phenyhydrazine Hydrochloride	Aqueous solution or solid	125	50
o-Phenylphenol		175	80
Phosgene		175	80
Phosphoric Acid	Less than 85% in water	275	135
Phosphoric Acid	85% in water	225	110
Phosphorus, red		75	25

Chemical Substance	Concentration ^a	Maximum ^{b, c} Temperature	
		°F	°C
Phosphorus, Oxychloride		NR	
Phosphorus, Pentachloride		200	95
Phosphorus, Pentoxide		200	95
Phosphorus, Trichloride		200	95
Phthalic Acid		200	95
Picric Acid		75	25
Plating Solutions : Brass		200	95
	Cadmium	200	95
	Chrome	200	95
	Copper	200	95
	Iron	200	95
	Lead	200	95
	Nickel	200	95
	Rodium	200	95
	Silver	200	95
	Speculum	200	95
	Tin	200	95
	Zinc	200	95
Polyethylene Glycol		200	95
Polyvinyl Acetate		275	135
Polyvinyl Alcohol		275	135
Potassium		NR	
Potassium Acetate	Aqueous solution or solid	285	140
Potassium Alum	Aqueous solution or solid	285	140
Potassium Aluminium Chloride		285	140
Potassium Bicarbonate	Aqueous solution or solid	200	95
Potassium Bisulphate	Aqueous solution or solid	285	140
Potassium Borate	Aqueous solution or solid	285	140
Potassium Bromate	Aqueous solution or solid	285	140
Potassium Bromide	Aqueous solution or solid	285	140
Potassium Carbonate	Aqueous solution or solid	285	140
Potassium Chlorate		200	95
Potassium Chloride	Aqueous solution or solid	285	140
Potassium Chromate	Aqueous solution or solid	285	140
Potassium Cyanide	Aqueous solution or solid	285	140
Potassium Dichromate		285	140
Potassium Ferricyanide	Aqueous solution or solid	285	140
Potassium Ferrocyanide	Aqueous solution or solid	285	140
Potassium Fluoride	Aqueous solution or solid	285	140
Potassium Hydroxide	5 to 10% in water	NR	
Potassium Hydroxide	Greater than 50% in water	NR	
Potassium Hypochlorite	Aqueous solution	200	95
Potassium Iodide	Aqueous solution or solid	250	120
Potassium Nitrate	Aqueous solution or solid	285	140
Potassium Perborate		285	140
Potassium Perchlorate		200	95
Potassium Permanganate	Aqueous solution or solid	250	120
Potassium Persulphate		125	50
Potassium Sulphate	Aqueous solution or solid	285	140
Potassium Sulphide		285	140
Propane		285	140
Propyl Acetate		100	40
Propyl Alcohol	Aqueous solution or liquid	150	65
Propylamine		NR	
Propylene Dibromide		200	95
Propylene Dichloride		200	95
Propylene Glycol	Aqueous solution or liquid	150	65
Propylene Oxide		NR	
Pyridine		NR	
Pyrogallol	Aqueous solution or solid	120	50
Salicylaldehyde		125	50

Chemical Substance	Concentration ^a	Maximum ^{b, d} Temperature	
		°F	°C
Salicylic Acid		200	95
Selenic Acid	Aqueous solution or pure	150	65
Silicon Tetrachloride		125	50
Silicone Oil		250	120
Silver Cyanide		285	140
Silver Nitrate	Aqueous solution or solid	285	140
Silver Sulphate		250	120
Sodium		NR	
Sodium Acetate	Aqueous solution or solid	285	140
Sodium Amalgam		NR	
Sodium Benzoate	Aqueous solution or solid	285	140
Sodium Bicarbonate	Aqueous solution or solid	285	140
Sodium Bisulphate	Aqueous solution or solid	285	140
Sodium Bisulphite	Aqueous solution or solid	285	140
Sodium Bromate	Aqueous solution or solid	200	95
Sodium Bromide	Aqueous solution or solid	285	140
Sodium Carbonate	Aqueous solution or solid	285	140
Sodium Chlorate	Aqueous solution or solid	250	120
Sodium Chlorite	Aqueous solution or solid	250	120
Sodium Chromate	Aqueous solution or solid	200	95
Sodium Cyanide	Aqueous solution or solid	275	135
Sodium Dichromate	Aqueous solution or solid	200	95
Sodium Dithionite	Aqueous solution or solid	100	40
Sodium Ferricyanide	Aqueous solution or solid	275	135
Sodium Ferrocyanide	Aqueous solution or solid	275	135
Sodium Fluoride	Aqueous solution or solid	285	140
Sodium Fluosilicate		200	95
Sodium Hydrogen Phosphate	Aqueous solution or solid	250	120
Sodium Hydroxide	Upto 10% in Water	100	40
Sodium Hydroxide	Greater than 50% in water	NR	
Sodium Hypochlorite	Upto 5% in water	275	135
Sodium Hypochlorite	6-15% in water	200	95
Sodium Iodide	Aqueous solution or solid	285	140
Sodium Nitrate	Aqueous solution or solid	275	135
Sodium Nitrite	Aqueous solution or solid	275	135
Sodium Palmitate		250	120
Sodium Perchlorate	Aqueous solution or solid	250	120
Sodium Peroxide		200	95
Sodium Phosphate	Aqueous solution or solid	285	140
Sodium Thiocyanate	Aqueous solution or solid	250	120
Sodium Thiosulphate	Aqueous solution or solid	275	135
Sour Crude Oil		285	140
Soyabean Oil		250	120
Stannic Chloride	Aqueous solution or solid	285	140
Stannous Chloride	Aqueous solution or solid	285	140
Starch		200	95
Stearic Acid		285	140
Stilbene		175	80
Styrene		180	85
Succinic Acid		150	65
Sugar Syrup		285	140
Sulphur		250	120
Sulphur Chloride		75	25
Sulphur Dichloride		75	25
Sulphur Dioxide		175	80
Sulphur Trioxide		NR	
Sulphuric Acid	Upto 60% in Water	250	120
Sulphuric Acid	80-93% in water	200	95
Sulphuric Acid	98% in water	150	65
Sulphuric Acid, fuming		NR	
Sulphuryl Chloride		NR	

Chemical Substance	Concentration*	Maximum ^{b, d} Temperature	
		°F	°C
Sulphuryl Fluoride		75	25
Tall Oil		285	140
Tallow		285	140
Tannic Acid		225	110
Tar		250	120
Tartaric Acid	Aqueous solution or solid	250	120
1,1,2,2 - Tetrabromoethane		250	120
1,1,2,2 - Tetrachloroethane		250	120
2,3,4,6 - Tetrachlorophenol		150	65
Tetraethyllead		285	140
Tetrahydrofuran	Aqueous solution or liquid	NR	
Tetramethylammonium Hydroxide	Upto 10% in water	200	95
Tetramethylurea		NR	
Thioglycol		75	25
Thioglycolic Acid		175	80
Thionyl Chloride		NR	
Thiophosphoryl Chloride		NR	
Thread Cutting Oils		200	95
Titanium Tetrachloride		150	65
Toluene		175	80
Toluenesulphonyl Chloride		125	50
Tomato Juice		212	100
Tributyl Phosphate		75	25
Trichloroacetic Acid	Upto 10% in water	200	95
Trichloroacetic Acid	50% in water to pure	125	50
1,2,4 - Trichlorobenzene		200	95
1,1,2- Trichloroethane		150	65
Trichloroethylene		285	140
2,4,5 - Trichlorophenol		150	65
Tricresyl Phosphate		NR	
Triethanolamine	Aqueous solution or liquid	125	50
Triethyl Phosphate		NR	
Triethylamine		125	50
Trifluoroacetic Acid	50% in water	200	95
Trifluoroacetic Acid		125	50
Trimethylamine	Aqueous solution or gas	150	65
Turpentine		285	140
Urea	Aqueous solution or solid	250	120
Varnish		250	120
Varsol		250	120
Vegetable Oil		285	140
Vinegar		225	110
Vinyl Acetate		250	120
Vinyl Chloride		200	95
Vinylidene Chloride		200	95
Water		285	140
Water, salt		285	140
Water, sewage		250	120
Whiskey		225	110
Wine		212	100
Xylene		200	95
Zinc Acetate	Aqueous solution	250	120
Zinc Bromide	Aqueous solution or solid	250	120
Zinc Chloride	Aqueous solution or solid	285	140
Zinc Nitrate	Aqueous solution or solid	285	140
Zinc Sulphate	Aqueous solution or solid	285	140

Maximum usage temperatures for PVDF resin with selected chemicals.

- Pure substance unless otherwise indicated.
- temperatures in °F have been rounded to °C in 5 degree increments.
- NR indicates that PVDF resin is not recommended for use with the chemical at room temperature or at the temperature indicated.
- The temperatures listed are a "maximum" value and do not take into account pressures, vacuums, mixtures & close tolerances.

IN GENERAL PVDF RESIN IS CHEMICALLY RESISTANT TO :

- Most Acids
- Salts & Weak Bases
- Halogens
- Halogenated Solvents
- Alcohols
- Fluids or Gas Streams in Excess of 212 °F (100 °C)
- Nuclear and UV radiation Oxidants

THE FOLLOWING PROPERTIES MAKE PVDF A VERSATILE ENGINEERING RESIN :

- Mechanical Strength
- Chemical Resistance
- Resistance to Weathering
- High Abrasion Resistance
- Low Permeation Values
- Pure in "Natural" Form
- FDA Compliance
- Flame and Smoke Approvals
- NSF Listing

The information given in this brochure is, to the best of our knowledge and belief. The accurate chemical, physical and toxicological properties have not been completely evaluated. Since the conditions of handling and use are beyond our control, we make no guarantee of results. We assume no liability express or implied for injuries, damages or penalties resulting from its use whether or not our recommendations are followed. Such recommendations are not to be taken as a license to operate under or to infringe any patent.

Information supplied by :

**Fluorolined
Equipment Pvt. Ltd.**

Office : 5, Hind Service Industrial Estate,
Behind Hotel Parkway, Shivaji Park, Mumbai 400 028, India.
Fax : 22-444 0397 / 22-444 9271
Phone : 446 0630 / 31, 444 6093 / 94

Works : C-1-B, 903, Phase II, G.I.D.C. Gundlaj,
Dist. Valsad, Gujarat State, Phone : 02632-82-701 / 82-717