

FASTANK® Chemical Resistance Table



	LDPE	PVC		LDPE	PVC		LDPE	PVC
Acetaldehyde	GN	GN	p-Dichlorobenzene	FN	NN	Methyl Propoketone	GF	NN
Acetamide Sat	EE	NN	Diethyl Benzene	NN	NN	Methylene Chloride	FN	NN
Acetic Acid 5%	EE	EE	Diethyl Ether	NN	FN	Mineral Oil	GN	EG
Acetic Acid 50%	EE	EG	Diethyl Ketone	GF	NN	Nitric Acid 1-10%	EE	EG
Acetone	EE	NN	Diethyl Malonate	EE	GN	Nitric Acid 50%	GG	GF
Acetonitrile	EE	NN	Diethylene Glycol	EE	FN	Nitric Acid 70%	FN	FN
Acrylonitrile	EE	NN	Diethylene Glycol Ethyl Ether	EE	FN	Nitrobenzene	NN	NN
Adipic Acid	EG	EG	Dimethyl Formahide	EE	FN	n-Octane	EE	FN
Alanine	EE	NN	Dimethylsulfoxide	EE	NN	Orange Oil	FN	FN
Allyl Alcohol	EE	GF	1,4 Dioxine	GF	FN	Ozone	EG	EG
Aluminium Hydroxide	EG	EG	Dipropylene Glycol	EE	GF	Perchloric Acid	GN	GN
Amino Acids	EE	EE	Ether	NN	FN	Perchloroethylene	NN	NN
Aluminium Salts	EE	EE	Ethyl Acetate	NN	FN	Phenol Crystals	GN	FN
Ammonia	EE	EG	Ethyl Alcohol	EG	EG	Phosphoric Acid 1.5%	EE	EE
Ammonium Acetate Sat	EE	EE	Ethyl Alcohol 40%	EG	EE	Phosphoric Acid 85%	EE	EG
Ammonium Glycolate	EG	EE	Ethyl Benzene	FN	NN	Pine Oil	GN	FN
Ammonium Hydroxide 5%	EG	EE	Ethyl Benzoate	FF	NN	Potassium Hydroxide 1%	EE	EE
Ammonium Hydroxide 10%	EG	EG	Ethyl Butyrate	GN	NN	Potassium Hydroxide Conc	EE	EG
Ammonium Oxalate	EG	EE	Ethyl Chloride Liquid	FN	NN	Propane Gas	NN	EG
Ammonium Salts	EE	EG	Ethyl Cyanoacetate	EE	FN	Propylene Glycol	EE	FN
n-Amyl Acetate	GF	FN	Ethyl Lactate	EE	FN	Propylene Oxide	EG	FN
Amyl Chloride	NN	NN	Ethylene Chloride	GN	NN	Resorcinol Sat	EE	FN
Aniline	EG	NN	Ethylene Glycol	EE	EE	Resorcinol 5%	EE	GN
Benzaldehyde	EG	NN	Ethylene Glycol Methyl Ether	EE	FN	Salicylaldehyde	EG	FN
Benzene	FN	NN	Ethylene Oxide	FF	FN	Salicylic Acid Powder	EE	GF
Benzoic Acid Sat	EE	EG	Fluorides	EE	EE	Salicylic Acid Sat	EE	GF
Benzyl Acetate	EG	NN	Fluorides	FN	EG	Salt Solutions Metallic	EE	EE
Benzyl Alcohol	NN	GF	Formaldahyde 10%	EE	GF	Silver Acetate	EE	GG
Bromine	NN	GN	Formaldehyde 40%	EG	GF	Silver Nitrate	EG	EG
Bromobenzene	NN	NN	Formic Acid 3%	EG	GF	Sodium Acetate Sat	EE	GF
Bromoform	NN	NN	Formic Acid 50%	EG	GF	Sodium Hydroxide 1%	EE	EE
Butadiene	NN	FN	Formic Acid 98-100%	EG	FN	Sodium Hydroxide 50% to Sat	EE	EG
n-Butyl Acetate	GF	NN	Fuel Oil	FN	EE	Sodium Hypochlorite 15%	EE	EE
n-Butyl Alcohol	EE	GF	Gasoline	FN	GN	Stearic Acid Crytals	EE	EG
sec-Butyl Alcohol	EG	GG	Glacial Acetic Acid	EG	EG	Sulphuric Acid 1.6%	EE	EG
tert-Butyl Alcohol	EG	EG	Glycerin	EE	EE	Sulphuric Acid 20%	EE	EG
Butyric Acid	NN	GN	n-Heptane	FN	GF	Sulphuric Acid 60%	EG	EG
Calcium Hydroxide Conc	EE	EE	Hexane	NN	GN	Sulphuric Acid 98%	GG	GN
Calcium Hypochlorite Sat	EE	GF	Hydrochloric Acid 1.5%	EE	EE	Sulphur Dioxide Liquid 46psi	NN	FN
Carbazole	EE	NN	Hydrochloric Acid 20%	EE	EG	Sulphur Dioxide Wet and Dry	EE	EG
Carbon Disulfide	NN	NN	Hydrochloric Acid 35%	EE	GF	Sulphur Salts	FN	NN
Carbon Tetrachloride	FN	GF	Hydrofluoric Acid 4%	EG	GF	Tartaric Acid	EE	EG
Cedarwood Oil	NN	FN	Hydrofluoric Acid 48%	EE	GF	Tetrahydrofuran	FN	NN
Cellosolve Acetate	EG	FN	Hydrogen Peroxide 3%	EE	EE	Thionyl Chloride	NN	NN
Chlorine 10% in Air	GN	EE	Hydrogen Peroxide 30%	EG	EE	Toluene	FN	FN
Chlorine 10% (Moist)	GN	EG	Hydrogen Peroxide 90%	EG	EG	Tributyl Citrate	GF	FN
Chloroacetic Acid	EE	FN	Isobutyl Alcohol	EE	EG	Trichloroethane	NN	NN
p-Chloroacetophenone	EE	NN	Isopropyl Acetate	GF	NN	Trichloroethylene	NN	NN
Chloroform	FN	NN	Isopropyl Alcohol	EE	EG	Trichylene Glycol	EE	GF
Chromic Acid 10%	EE	EG	Isopropyl Benzene	FN	NN	Tripropylene Glycol	EE	GF
Chromic Acid 50%	EE	EF	Kerosene	FN	EE	Turpentine	FN	GF
Cinamon Oil	NN	NN	Lactic Acid 3%	EG	GF	Undecyl Alcohol	EF	EF
Citric Acid 10%	EE	GG	Lactic Acid 85%	EG	GF	Urea	EE	GN
Cresol	NN	NN	Methoxyethyl Oleate	EG	NN	Vinylidene Chloride	EE	NN
Cyclohexone	FN	GF	Methyl Alcohol	EE	EF	Xylene	GN	NN
Decalin	GF	EG	Methyl Ethyl Ketone	EG	NN	Zinc Stearate	EE	EG
o-Dichlorobenzene	FN	NN	Methyl Isobutyl Ketone	GF	NN			

	Alu	SS		Alu	SS		Alu	SS
Acetic acid	B	B	Hydrobromic acid	D	D	Phthalic anhydride	B	B
Acetone	A	A	Hydrochloric acid (dry gas)	D	D	Picric acid	C	B
Acetylene	A	A	Hydrocyanic acid	A	A	Potassium chlorate	B	B
Acrylonitrile	B	C	Hydrofluoric acid (20%)	D	D	Potassium chloride	B	C
Ammonia anhydrous	B	B	Hydrogen gas	A	A	Potassium dichloride	A	B
Amyl alcohol	B	A	Hydrogen peroxide	A	B	Potassium hydroxide (50%)	D	B
Aniline	C	B	Hydrogen sulfide (aq)	C	A	Potassium permanganate	B	B
Barium chloride	D	C	Iodine	D	D	Potassium sulphate	A	B
Benzene	B	B	Isopropyl alcohol	B	A	Propane (liquified)	A	A
Benzol	B	A	Iopropyl ether	A	A	Propyl alcohol	A	A
Boric acid	B	B	Kerosene	A	A	Propylene glycol	A	B
Bromine (wet)	D	D	Ketones	B	A	Pyridine	B	D
Butyl acetate	A	C	Lacquers	A	A	Pyrogallic acid	B	B
Butyl alcohol	A	A	Lactic acid	C	B	Silver nitrate	D	B
Carbon disulfide	C	B	Lead acetate	D	B	Sodium acetate	B	B
Carbon tetrachloride	C	C	Magnesium chloride	D	B	Sodium bicarbonate	A	B
Carbonic acid	A	B	Magnesium hydroxide	D	A	Sodium carbonate	C	B
Chlorine (dry)	D	B	Magnesium sulfate	B	B	Sodium chloride	C	C
Chloroform	D	A	Maleic acid	B	C	Sodium cyanide	D	B
Chromic acid (30%)		B	Malic acid	C	B	Sodium fluoride	C	C
Cresols	B	A	Mercuric chloride	D	D	Sodium hydroxide (20%)	D	A
Cyclohexane	A	A	Mercury	C	A	Sodium nitrate	A	B
Diesel fuels	A	A	Methyl alcohol	B	A	Sodium peroxide	C	B
Epsom salts	A	B	Methylene chloride	A	A	Sodium silicate	C	B
Ether	A	A	Methyl ethyl ketone	A	A	Sodium sulphate	B	B
Ethyl acetate	B	A	Naptha	A	A	Sodium sulfide	D	B
Ethyl alcohol	B	A	Napthalene	B	B	Stannic chloride	D	D
Ethylene chloride	C	A	Nickel chloride	D	B	Stearic acid	B	B
Ethylene glycol	A	A	Nickel sulphate	D	B	Stoddard solvent	A	A
Ferric chloride	D	D	Nitric acid (10%)	D	A	Sulphur dioxide	A	A
Ferric nitrate	D	A	Nitric acid (concentrate)	B	D	Sulphuric acid (10-75%)	D	D
Ferric sulphate	D	C	Nitrobenzene	C	B	Tannic acid	C	B
Fluorine	D	D	Oleic acid	B	B	Tartaric acid	C	B
Formaldehyde	A	A	Oxalic acid (cold)	C	C	Toluene	A	A
Formic acid	D	C	Parafin	A	A	Trichloroethylene	B	B
Fuel oils	A	A	Pentane	A	C	Turpentine	C	B
Gasoline	A	A	Porchloroethylene	A	B	Varnish	A	A
Gelatin	A	A	Phenol	B	B	Vinegar	D	A
Glycerine	A	A	Phosphoric acid (to 40%)	D	B	Xylene	A	A
Heptane	A	A	Phosphoric acid (40-100%)	D	C	Zinc chloride	D	D
Hexane	A	A	Phosphoric acid (crude)	D	D	Zinc sulphate	D	B
Hydraulic oils (petroleum)	A	A	Photographic (developer)	C	C			

These recommendations are based upon information from material suppliers and careful examination of published information and are believed to be accurate. However, since the resistance of materials to stored chemicals can be affected by concentration, temperature, presence of other chemicals and other factors all parameters affecting chemical resistance must be considered. **This information must be considered as a general guide only rather than an unqualified guarantee.**

KEY	Alu: Aluminium (FASTANK Frame)	SS: Stainless Steel (FASTANK Pins)
LDPE : Low Density Polythene (Polythene Liner)		
PVC : Polyvinylchloride (FASTANK Enclosure)		
E: Excellent	A: No Effect	
G: Good	B: Minor Effect - acceptable	
F: Fair	C: Moderate Effect - questionable	
N: Not recommended	D: Severe Effect - Not recommended	
Please note the first letter of each pair under columns LPDE & PVC applies to conditions at 20°C, the second at 50°C		