



CHEMICAL RESISTANCE LIST

The information provided is designed to be used as a guide and all information must be checked on a project basis. Data based upon room temperatures. Elevated temperatures will increase the effect of the chemicals upon the elastomers. No guarantees can be given in respect of the information printed in this document.

E(Excellent)=Little or No Effect **G**(Good)=Moderate Effect
F(Fair)=Pronounced Effect **P**(Poor)=Not Recommended
U = Un tested

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
A			
Acetaldehyde	P	E	G
Acetamide	E	E	P
Acetic Acid, 30%	G	E	G
Acetic Acid, Glacial	F	E	P
Acetone	P	E	P
Acetophenone	P	E	U
Acetyl Chloride	P	P	U
Acetylene	E	E	G
Acrylonitrile	P	P	U
Aluminum Acetate (aqueous solution)	G	E	U
Aluminum Chloride (aqueous solution)	E	E	E
Aluminum Fluoride (aqueous solution)	E	E	E
Aluminum Nitrate (aqueous solution)	E	E	E
Aluminum Phosphate (aqueous solution)	E	E	U
Aluminum Sulphate (aqueous solution)	E	E	E
Ammonia Gas (cold)	E	E	E
Ammonia Gas (hot)	P	G	E
Ammonium Carbonate (aqueous solution)	P	E	E
Ammonium Chloride (aqueous solution)	E	E	E
Ammonium Hydroxide (concentrated)	P	E	E
Ammonium Nitrate (aqueous solution)	E	E	E
Ammonium Nitrite (aqueous solution)	E	E	U
Ammonium Persulphate (aqueous solution)	P	E	E
Ammonium Phosphate (aqueous solution)	E	E	E
Ammonium Sulphate (aqueous solution)	E	E	E
Amyl Acetate	P	F	P
Amyl Alcohol	G	E	P
Amyl Borate	E	P	U
Amyl Chloronaphthalene	P	P	U

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Amyl Naphthalene	P	P	U
Aniline	P	E	P
Aniline Dyes	P	E	U
Aniline Hydrochloride	G	G	P
Animal Fats	E	G	P
Ansul Ether (Anesthetics)	F	F	U
Aqua Regia	P	F	P
Arsenic Acid	E	E	E
Arsenic Trichloride (aqueous solution)	E	F	U
Asphalt	G	P	U
B			
Barium Chloride (aqueous solution)	E	E	E
Barium Hydroxide (aqueous solution)	E	E	E
Barium Sulphate (aqueous solution)	E	E	E
Barium Sulphide (aqueous solution)	E	E	E
Beer	E	E	E
Beet Sugar Liquors	E	E	E
Benzaldehyde	P	E	P
Benzene	P	P	P
Benzene Sulphonic Acid	P	F	U
Benzoic Acid	F	F	E
Benzoyl Chloride	P	P	U
Benzyl Alcohol	P	E	U
Benzyl Benzoate	P	G	U
Benzyl Chloride	P	P	U
Blast Furnace Gas	P	P	U
Bleach Solutions	P	E	G
Borax	G	E	E
Bordeaux Mixture	G	E	U
Boric Acid	E	E	E
Brine	E	E	U
Bromine Trifluoride	P	P	U
Bromine Water	P	G	P
Bromine (anhydrous)	P	P	P
Bromobenzene	P	P	F
Butadiene	P	F	P
Butane	E	P	P
Butter	E	E	P
Butyl Acetate	P	F	P
Butyl Acrylate	P	P	U
Butyl Alcohol	E	G	G
Butyl Amine	F	G	U
Butyl Benzoate	P	G	U
Butyl Oleate	P	G	P
Butyl Stearate	G	F	F
C			
Calcium Acetate (aqueous solution)	G	E	U
Calcium Chloride (aqueous solution)	E	E	E

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Calcium Hydroxide (aqueous solution)	E	E	E
Calcium Hypochlorite (aqueous solution)	G	E	G
Calcium Nitrate (aqueous solution)	E	E	E
Calcium Sulphide (aqueous solution)	E	E	U
Cane Sugar Liquors	E	E	U
Carbolic Acid	P	G	U
Carbon Dioxide	E	G	E
Carbon Monoxide	E	E	E
Carbon Tetrachloride	F	P	P
Carbonic Acid	G	E	E
Castor Oil	E	G	U
Cellosolve	P	G	U
Cellosolve Acetate	P	G	U
Chlorine (Dry)	P	P	P
Chlorine (Wet)	P	F	P
Chlorine Dioxide	P	F	U
Chlorine Trifluoride	P	P	U
Chloroacetic Acid	P	E	F
Chloroacetone	P	E	U
Chlorobenzene	P	P	P
Chlorobromomethane	P	G	U
Chloroform	P	P	P
Chlorotoluene	P	P	U
Chromic Acid	P	F	P
Citric Acid	E	E	E
Coconut Oil	E	F	P
Cod Liver Oil	E	E	P
Coke Oven Gas	P	P	U
Copper Acetate (aqueous solution)	G	E	U
Copper Chloride (aqueous solution)	E	E	E
Copper Cyanide (aqueous solution)	E	E	E
Copper Sulphate (aqueous solution)	E	E	E
Cottonseed Oil	E	G	F
Creosote (Coal Tar)	E	P	U
Cyclohexane	E	P	G
Cyclohexanol	F	F	P
Cyclohexanone	P	G	P
D			
Decalin	P	P	E
Decane	E	P	U
Detergent Solutions	E	E	E
Diacetone	P	E	U
Diacetone Alcohol	P	E	U
Dibenzyl Ether	P	G	U
Dibutyl Ether	P	F	U
Dibutyl Phthalate	P	G	P
Dibutyl Sebecate	P	G	P
Dicyclohexylamine	F	P	U

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Diesel Oil	E	P	P
Diethyl Benzene	P	P	P
Diethylamine	G	G	P
Diethylene Glycol	E	E	U
Diisobutylene	G	P	U
Diisopropyl Benzene	P	P	U
Diisopropyl Ketone	P	E	U
Dimethyl Formamide	G	G	F
Dimethyl Phthalate	P	G	P
Dinitrotoluene	P	P	U
Dioxane	P	G	U
Dioxolane	P	G	U
E			
Epichlorohydrin	P	G	U
Ethane	E	P	U
Ethyl Acetate	P	G	P
Ethyl Acetoacetate	P	G	P
Ethyl Acrylate	P	G	P
Ethyl Alcohol	E	E	F
Ethyl Benzoate	P	E	P
Ethyl Cellosolve	P	P	U
Ethyl Chlorocarbonate	P	G	U
Ethyl Chloroformate	P	G	U
Ethyl Formate	P	G	U
Ethylene	E	G	U
Ethylene Chlorohydrin	P	G	P
Ethylene Glycol	E	E	E
Ethylene Oxide	P	F	P
F			
Fatty Acids	G	F	P
Ferric Chloride (aqueous solution)	E	E	E
Ferric Nitrate (aqueous solution)	E	E	E
Ferric Sulfate (aqueous solution)	E	E	E
Fish Oil	E	P	P
Fluorine (Liquid)	P	P	P
Fluorobenzene	P	P	U
Fluoroboric Acid	E	E	E
Fluorolube	E	E	U
Fomaldehyde (RT)	F	E	F
Fomic Acid	G	E	G
Fuel Oil	E	P	P
Fumaric Acid	E	G	U
G			
Gallic Acid	G	G	G
Gelatin	E	E	U
Glucose	E	E	E
Glycerin	E	E	E
Glycol	E	E	E

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
H			
Hexane	E	P	P
Hexyl Alcohol	E	F	F
Hydraulic Oils	E	P	P
Hydrazine	G	E	U
Hydrobromic Acid	P	E	G
Hydrobromic Acid 40%	P	E	U
Hydrochloric Acid (Cold) 37%	F	E	E
Hydrochloric Acid (Hot) 37%	P	F	E
Hydrocyanic Acid	G	E	E
Hydrofluoric Acid (Conc.) Cold	P	F	P
Hydrofluoric Acid (Conc.) Hot	P	P	P
Hydrofluoric Acid-Anhydrous	P	F	P
Hydrogen Gas	E	E	E
Hydrogen Peroxide (90%)	P	G	E
Hydrogen Sulphide (Wet) Cold	P	E	E
Hydrogen Sulphide (Wet) Hot	P	E	E
Hydroquinone	F	G	E
Hypochlorous Acid	P	G	E
I			
Iodine Pentafluoride	P	P	U
Isobutyl Alcohol	G	E	G
Isooctane	E	P	P
Isophorone	P	F	U
Isopropyl Acetate	P	G	P
Isopropyl Alcohol	G	E	F
Isopropyl Chloride	P	P	U
Isopropyl Ether	G	P	U
K			
Kerosene	E	P	P
L			
Lactic Acid (Cold)	E	E	E
Lactic Acid (Hot)	P	P	U
Lard	E	G	P
Lavender Oil	G	P	U
Lead Acetate (aqueous solution)	G	E	E
Lead Nitrate (aqueous solution)	E	E	U
Lead Sulphamate (aqueous solution)	G	E	U
Linoleic Acid	G	P	P
Linseed Oil	E	F	P
Lubricating Oils (Petroleum)	E	P	P
M			
Magnesium Chloride (aqueous solution)	E	E	E
Magnesium Hydroxide (aqueous solution)	G	E	E
Magnesium Sulphate (aqueous solution)	E	E	E
Malic Acid	E	G	E
Mercury	E	E	E
Mercury Chloride (aqueous solution)	E	E	P

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Methane	E	P	U
Methyl Acetate	P	E	U
Methyl Acrylate	P	G	U
Methyl Alcohol	E	E	E
Mineral Oil	E	F	P
Monochlorobenzene	P	P	U
N			
Naphtha	G	P	F
Naphthalene	P	P	P
Naphthalenic Acid	G	P	U
Natural Gas	E	P	E
Nickel Acetate (aqueous solution)	G	E	U
Nickel Chloride (aqueous solution)	E	E	E
Nickel Sulphate (aqueous solution)	E	E	E
Nitric Acid (Conc.)	P	P	P
Nitric Acid (Dilute)	P	G	F
Nitric Acid- Fuming	P	P	P
Nitrobenzene	P	E	P
Nitroethane	P	G	U
Nitrogen	E	E	E
Nitromethane	P	G	U
O			
Octadecane	E	P	U
Oleic Acid	F	P	F
Olive Oil	E	G	P
Oxalic Acid	G	E	E
Oxygen-Cold	G	E	E
Ozone	P	E	F
P			
Peanut Oil	E	F	P
Perchloric Acid	P	G	P
Petroleum-Above 120°C	P	P	P
Petroleum-Below 120°C	E	P	P
Phenylbenzene	P	P	U
Phenyl Hydrazine	P	G	P
Phosphoric Acid-20%	G	E	E
Phosphoric Acid-45%	P	E	E
Phosphorus Trichloride	P	E	P
Potassium Acetate (aqueous solution)	G	E	U
Potassium Chloride (aqueous solution)	E	E	E
Potassium Cupro Cyanide (aqueous solution)	E	E	U
Potassium Cyanide (aqueous solution)	E	E	E
Potassium Dichromate (aqueous solution)	E	E	E
Potassium Hydroxide (aqueous solution)	G	E	E
Potassium Nitrate (aqueous solution)	E	E	E
Potassium Sulphate (aqueous solution)	E	E	E
Propane	E	P	E
Propyl Alcohol	E	E	F

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Propyl Nitrate	P	G	U
Propylene	P	P	U
Propylene Oxide	P	G	F
Pyridine	P	G	U
R			
Radiation	F	G	U
Rapeseed Oil	G	E	P
S			
Salicylic Acid	G	E	U
Salt Water	E	E	E
Silicate Esters	G	P	U
Silicone Greases	E	E	U
Silicone Oils	E	E	U
Silver Nitrate	G	E	E
Soap Solutions	E	E	E
Sodium Acetate (aqueous solution)	G	E	E
Sodium Bicarbonate (aqueous solution)	E	E	E
Sodium Bisulphite (aqueous solution)	E	E	E
Sodium Borate (aqueous solution)	E	E	U
Sodium Carbonate (aqueous solution)	E	E	E
Sodium Chloride (aqueous solution)	E	E	E
Sodium Cyanide (aqueous solution)	E	E	E
Sodium Hydroxide (aqueous solution)	G	E	G
Sodium Hypochlorite (aqueous solution)	G	G	E
Sodium Metaphosphate (aqueous solution)	E	E	U
Sodium Nitrate (aqueous solution)	G	E	E
Sodium Peroxide (aqueous solution)	G	E	U
Sodium Phosphate (aqueous solution)	E	E	U
Sodium Silicate (aqueous solution)	E	E	U
Sodium Sulphate (aqueous solution)	E	E	E
Soybean Oil	E	F	P
Stannic Chloride (aqueous solution)	E	E	E
Stannous Chloride (aqueous solution)	E	E	E
Stearic Acid	G	G	G
Styrene	P	P	U
Sucrose Solution	E	E	U
Sulphur	P	E	E
Sulphur Dioxide (Dry)	P	E	E
Sulphur Dioxide (Wet)	P	E	P
Sulphur Hexafluoride	G	E	U
Sulphur Trioxide	P	G	E
Sulphuric Acid (20%)	P	P	G
Sulphuric Acid (Conc.)	P	F	P
Sulphuric Acid (Dilute)	F	G	G
Sulphurous Acid	G	G	E
T			
Tannic Acid	E	E	E

Chemical Medium	Nitrile NBR	EPDM	FLEXIBLE PVC
Tar, Bituminous	G	F	P
Tartaric Acid	E	G	E
Titanium Tetrachloride	G	P	P
Toluene	P	P	P
Toluene Diisocyanate	P	G	U
Trichloroethane	P	P	P
Trinitrotoluene	P	P	P
Turpentine	E	P	G
V			
Vegetable Oils	E	F	P
Vinyl Chloride	P	P	U
W			
Water	E	E	E
Whiskey, Wines	E	E	E
Wood Oil	E	P	U
X			
Xylene	P	P	P
Z			
Zinc Acetate (aqueous solution)	G	E	U
Zinc Chloride (aqueous solution)	E	E	E
Zinc Sulphate (aqueous solution)	E	E	E

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