

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

WARNING: The following data has been compiled from generally available sources and should not be relied upon without consulting and following the hose manufacturer's specific chemical recommendations. Neglecting to do so might result in failure of the hose to fulfill its intended purpose, and may result in possible damage to property and serious bodily injury.

ELASTOMER / PLASTICS			
NR	Natural Rubber	EPDM	Ethylene-propylene-diene-terpolymer
IR	Isoprene (synthetic)	FKM	Fluorocarbon rubber (Viton)
SBR	Styrene-butadiene	UHMW	Ultra High Molecular Weight Polyethylene
CR	Chloroprene (Neoprene*)	XLPE	Cross-linked polyethylene
NBR	Nitrile-butadiene (Buna-N)	CSM	Chloro-sulfonyl-polyethylene (Hypalon)
IIR	Isobutene-isoprene (Butyl)		

*Trademark of DuPont Inc.

RESISTANCE RATING			
E	EXCELLENT	C	ACCEPTABLE
G	GOOD	X	UNSATISFACTORY
F	FAIR	N	NO DATA

Maximum temperature
100°F (38°C)
unless otherwise specified.

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Acetal	C	C	C	X	G	C	C	G	G	Ammonium Nitrate	G	E	E	E	E	E	E	E	E
Acetaldehyde	C	X	F	X	E	C	G	E	G	Ammonium Nitrite	E	E	E	E	E	E	E	E	E
Acetamide	C	C	G	G	E	C	E	E	E	Ammonium Persulfate	E	X	E	X	E	E	G	E	E
Acetate Solvents	C	X	X	X	C	X	C	E	E	Ammonium Phosphate	E	E	E	E	E	E	E	E	E
Acetic Acid, 10%	X	X	G	X	G	G	G	E	G	Ammonium Sulfate	E	E	E	E	E	E	E	E	E
Acetic Acid, 30%	X	X	C	G	G	G	E	E	E	Ammonium Sulfide	E	E	E	E	E	E	E	E	E
Acetic Acid, 50%	X	X	C	C	G	X	G	E	G	Ammonium Sulfite	E	E	E	E	E	E	E	E	E
Acetic Acid, Glacial	X	X	C	X	G	X	X	G	G	Ammonium Thiocyanate	E	E	E	E	E	E	E	E	E
Acetic Anhydride	X	X	G	X	E	G	E	E	G	Ammonium Thiosulfate	E	E	E	E	E	E	E	E	E
Acetic Ester (Ethyl Acetate)	X	X	X	X	G	X	G	E	E	Amyl Acetate	C	X	X	X	G	X	G	X	X
Acetic Ether (Ethyl Acetate)	X	X	X	X	G	C	G	E	E	Amyl Acetone	X	X	X	X	G	X	G	E	E
Acetic Oxide (Acetic Anhydride)	X	X	X	X	C	G	G	E	E	Amyl Alcohol	E	E	E	E	E	E	E	E	E
Acetone	C	C	F	X	E	F	E	E	E	Amylamine	C	G	X	C	G	C	X	E	E
Acetophenone	C	X	X	X	E	X	E	G	G	Amyl Borate	X	X	C	E	X	C	X	E	E
Acetyl Acetone	X	X	X	X	G	X	E	E	E	Amyl Chloride	X	X	X	X	X	X	X	E	E
Acetyl Chloride	X	X	X	X	C	X	C	G	G	Amyl Chloronapthalene	X	X	X	G	X	X	X	E	E
Acetylene	E	E	G	E	E	E	E	E	E	Amyl Napthalene	X	X	X	X	X	X	X	E	E
Acrylic Acid	N	N	N	N	N	N	N	N	G	Amyl Oleate	X	X	X	X	G	X	G	E	E
Acrylonitrile	G	X	X	X	X	X	N	G	G	Amyl Phenol	X	X	X	X	X	X	X	E	E
Adipic Acid	N	G	G	G	E	E	G	N	N	Anethole	X	X	X	X	X	X	X	G	G
Air	E	E	E	E	E	E	E	E	E	Aniline	X	X	X	X	E	X	C	E	E
Air, +300°F	X	X	X	X	N	X	N	N	N	Aniline Dyes	C	C	C	C	G	C	G	E	E
Alcohols, Aliphatic	E	G	E	E	E	E	E	E	E	Aniline Hydrochloride	E	C	X	C	C	X	G	E	E
Alcohols, Aromatic	C	X	C	C	X	X	X	E	E	Animal Fats	X	X	G	E	G	F	C	E	E
Alk-Tri (Trichloroethylene)	X	X	X	X	X	X	X	X	X	Animal Grease	X	X	X	G	C	C	G	E	E
Allyl Alcohol	E	G	E	E	E	E	E	E	E	Animal Oils	X	X	G	E	G	X	C	E	E
Allyl Bromide	X	X	X	X	X	X	X	G	G	Ansul Ether	X	X	X	C	C	X	C	E	E
Allyl Chloride	X	X	X	X	X	X	X	G	G	Antifreeze (Ethylene Glycol)	E	E	E	E	E	E	E	E	E
Alum (Ammonium Potassium Sulfate)	E	E	E	E	E	E	E	E	E	Antimony Trichloride	X	X	G	G	E	G	G	E	G
Aluminum Acetate	E	C	G	G	G	G	G	E	E	Antimony Pentachloride	X	X	X	X	C	X	C	G	G
Aluminum	E	E	E	E	E	E	E	E	E	Aqua Regia	X	X	X	X	X	C	C	X	G
Aluminum Chloride	E	E	E	E	E	E	E	E	E	Argon	X	X	X	C	G	X	E	N	N
Aluminum Flouride	E	E	E	E	E	E	E	E	E	Arguad	E	E	E	E	E	E	E	E	E
Aluminum Hydroxide	E	E	E	E	E	G	E	E	E	Aromatic Hydrocarbons	X	X	X	C	X	X	X	E	E
Aluminum Nitrate	E	E	E	E	E	E	E	E	E	Arsenic Acid	E	E	E	E	E	E	E	E	E
Aluminum Phosphate	E	E	E	E	E	E	E	E	E	Arsenic Chloride	X	X	E	C	X	X	G	X	X
Aluminum Sulfate	G	E	E	E	E	E	E	E	E	Arsenic Trichloride	X	X	E	C	X	X	G	X	X
Aminobenzene	N	N	N	N	N	N	N	N	G	Asphalt	X	X	G	E	X	X	G	G	G
Aminodimethylbenzene	N	N	N	N	N	N	N	N	N	ASTM Fuel A	X	X	E	E	X	G	X	N	N
Ammonia, Anhydrous	E	C	E	G	E	G	E	E	E	ASTM Fuel B	X	X	X	E	X	X	X	N	N
Ammonia, Liquid	G	G	E	E	E	E	E	E	E	ASTM Fuel C	X	X	X	G	X	X	X	N	N
Ammonia, In Water	G	G	G	G	G	G	E	E	E	ASTM Oil No. 1	X	X	E	E	X	G	X	E	E
Ammonium Carbonate	E	E	E	C	E	E	E	E	E	ASTM Oil No. 2	X	X	G	E	X	F	X	E	E
Ammonium Chloride	E	E	E	C	E	E	E	E	E	ASTM Oil No. 3	X	X	G	E	X	F	X	E	E
Ammonium Hydroxide	G	G	E	G	E	G	E	E	E	ASTM Oil No. 4	X	X	X	G	X	X	X	N	N
Ammonium Metaphosphate	E	E	E	E	E	E	E	E	E	Automatic Trans. Fluid	X	X	G	E	X	C	X	N	N

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Aviation Gasoline	X	X	C	E	X	X	X	E	E	Carbon Dioxide	E	E	E	E	E	E	E	E	E
Barium Carbonate	E	E	E	E	E	E	E	E	E	Carbon Disulfide	X	X	X	X	X	X	X	E	C
Barium Chloride	E	E	E	E	E	E	E	E	E	Carbonic Acid	E	E	E	E	E	E	E	E	E
Barium Hydroxide	E	E	E	E	E	E	E	E	E	Carbon Monoxide	E	E	E	E	E	E	E	E	E
Barium Sulfate	E	E	E	E	E	E	E	E	E	Carbon Tetrachloride	X	X	X	C	G	X	G	C	C
Barium Sulfide	E	E	E	E	E	E	E	E	E	Carbon Tetrafluoride	X	X	X	C	X	X	X	C	C
Beer	E	E	G	C	E	E	G	N	N	Castor Oil	C	X	G	E	G	C	G	E	E
Beet Sugar Liquors	E	E	E	E	E	E	E	E	E	Caustic Potash	E	G	G	E	E	E	E	E	E
Benzaldehyde	X	X	X	X	G	G	G	E	E	(Potassium Hydroxide)									
Benzene (Benzol)	X	X	X	X	X	X	X	E	E	Caustic Soda	E	G	G	G	E	G	E	E	E
Benzene Sulfonic Acid	X	X	E	C	X	X	X	E	E	(Sodium Hydroxide)									
Benzine	X	X	G	E	X	X	X	E	E	Cellosolve	X	X	E	G	G	G	E	E	E
Benzoic Acid	G	X	E	X	E	G	G	E	E	Cellulose Acetate	C	X	C	X	G	C	G	E	E
Benzoic Aldehyde	X	X	X	X	X	X	X	E	E	Cellulube	C	X	X	X	G	X	E	E	E
Benzotrichloride	X	X	X	X	X	X	X	G	G	China Wood Oil (Tung Oil)	X	X	G	E	G	G	G	E	E
Benzoyl Chloride	X	X	X	X	X	X	X	G	G	Chlorinated Solvents	X	X	X	X	X	X	X	G	G
Benzyl Acetate	X	X	X	X	G	G	G	E	E	Chlorine Dioxide	X	X	X	X	X	C	X	G	G
Benzyl Alcohol	G	G	C	X	G	F	G	E	E	Chlorine Gas (Dry)	C	C	X	C	C	G	C	G	G
Benzyl Chloride	X	X	X	X	C	X	X	E	E	Chlorine, Water Solutions (2%)	C	X	X	X	C	G	C	E	E
Bichromate of Soda (Sodium Dichromate)	X	X	G	X	E	G	C	E	E	Chloroacetic Acid	G	X	X	X	C	X	C	E	E
Black Sulfate Liquor	G	G	E	G	E	G	E	E	E	Chloroacetone	X	X	X	X	G	G	X	E	E
Blast Furnace Gas	X	X	G	C	C	G	C	E	E	Chlorobenzene	X	X	X	X	X	X	X	G	G
Bleach	X	X	C	X	F	G	E	E	E	Chlorobutane	X	X	X	X	X	X	X	G	G
Borax Solution	G	G	E	C	E	E	E	E	E	Chlorobutadiene	X	X	X	X	X	X	X	G	G
Bordeaux Mixture	G	G	E	E	E	E	E	E	E	Chloroform	X	X	X	X	X	X	X	G	G
Boric Acid	E	E	E	E	E	E	E	E	E	Chlorinated Hydrocarbons	X	X	X	X	X	X	X	G	G
Brake Fluid (HD-557)	N	E	G	C	G	G	E	N	N	Chloropentane	X	X	C	X	X	X	X	E	E
Brine	E	E	E	E	E	E	E	E	E	Chlorophenol	X	X	X	X	X	X	X	G	G
Bromine	X	X	X	X	X	C	X	X	X	Chloropropanone	X	X	X	X	C	X	C	G	G
Bromine Water	X	X	G	C	C	E	C	E	E	Chlorosulfonic Acid	X	X	X	X	X	C	X	G	G
Bromobenzene	X	X	X	X	X	X	X	C	C	Chlorothene (Trichloroethane)	X	X	X	X	X	X	X	G	G
Bunker Oil	X	X	G	E	X	X	X	E	E	Chlorotoluene	X	X	X	X	X	X	X	G	G
Butadiene	X	X	F	X	X	C	X	F	F	Chrome Plating Sltns.	X	X	X	X	X	X	G	N	N
Butane	X	X	E	E	E	G	X	E	N	Chromic Acid	X	X	X	X	X	E	E	E	E
Butanoic Acid	N	N	N	N	N	N	N	N	N	Citric Acid	E	E	G	G	E	E	E	E	E
Butter (Non F.D.A.)	C	C	G	E	E	E	G	E	E	Coal Oil	X	X	G	E	X	X	X	E	E
Butyl Acetate	C	X	X	X	G	X	C	G	G	Coal Tar	X	X	G	E	X	G	G	E	E
Butyl Acrylate	X	X	X	X	X	X	X	G	G	Coal Tar Naptha	X	X	F	E	X	X	X	E	E
Butyl Alcohol	E	E	E	E	E	E	E	E	E	Cobalt Chloride	E	E	E	E	E	E	E	E	E
Butylamine	G	C	X	C	C	C	E	E	E	Coconut Oil	X	X	G	E	E	G	C	E	E
Butyl Benzene	X	X	X	X	X	X	X	E	E	Cod Liver Oil	X	X	G	E	E	G	E	E	E
Butyl Bromide	X	X	X	X	X	X	X	G	G	Coke Oven Gas	X	X	X	X	F	X	X	E	E
Butyl Butyrate	X	X	X	X	C	X	G	G	G	Copper Arsenate	E	E	E	E	E	E	E	E	E
Butyl Carbitol	X	X	G	G	E	E	E	E	E	Copper Chloride	E	E	E	E	E	E	E	E	E
Butyl Cellosolve	X	X	G	G	E	G	E	E	E	Copper Cyanide	E	E	E	E	E	E	E	E	E
Butyl Chloride	X	X	X	X	C	X	C	G	G	Copper Hydroxide	F	G	N	N	E	G	N	E	E
Butylene	X	X	C	G	X	X	X	N	F	Copper Nitrate	E	E	E	E	E	E	E	E	E
Butyl Ether	X	X	G	G	C	G	C	E	E	Copper Nitrite	E	E	E	E	E	E	E	E	E
Butyl Ethyl Acetaldehyde	X	X	X	X	C	X	X	E	E	Copper Sulphate	F	E	E	E	E	E	E	E	E
Butyl Ethyl Ether	X	X	X	X	C	G	C	E	E	Copper Sulphide	C	E	E	E	E	E	E	E	E
Butyl Oleate	X	X	X	X	G	X	G	E	E	Corn Oil	X	X	C	E	E	G	C	E	E
Butyl Phthalate	X	X	X	X	C	X	C	E	E	Cottonseed Oil	X	X	C	C	C	G	C	C	G
Butyl Stearate	X	X	X	G	C	X	C	E	E	Creosote (Wood)	X	X	C	G	X	C	X	E	E
Butyraldehyde	C	X	X	X	X	X	X	E	E	Creosote (Coal Tar)	X	X	C	G	X	C	X	E	E
Butyric Acid	F	X	X	F	X	G	E	E	E	Cresols	X	X	C	C	X	C	X	E	E
Butyric Anhydride	C	X	X	C	C	G	C	E	E	Cresylic Acid	X	X	C	C	X	C	X	E	E
Calcium Acetate	C	X	X	X	E	X	E	E	E	Crotonaldehyde	X	X	X	X	E	X	C	E	E
Calcium Bisulfate	E	E	E	E	E	E	E	E	E	Crude Oil	X	X	F	E	X	X	X	E	E
Calcium Bisulfite	C	E	E	E	E	G	E	C	E	Cumene	X	X	X	C	C	X	X	E	E
Calcium Carbonate	E	E	E	E	E	E	E	E	E	Cupric Carbonate	C	C	G	G	E	E	E	E	E
Calcium Bichromate	N	N	N	N	E	F	N	G	F	Cupric Chloride	C	C	G	E	E	E	E	E	E
Calcium Chloride	E	E	E	E	E	E	E	E	E	Cupric Hydroxide	N	N	N	N	N	N	N	N	N
Calcium Hydroxide	E	G	E	E	E	G	E	E	E	Cupric Nitrate	C	C	G	E	E	E	E	E	E
Calcium Hypochlorite	X	X	X	X	G	F	G	G	G	Cupric Nitrite	C	C	G	E	E	E	E	E	E
Calcium Nitrate	E	E	E	E	E	E	E	E	E	Cupric Sulfate	F	E	G	E	E	E	E	E	E
Calcium Sulfate	E	E	E	E	E	E	E	E	E	Cyclohexane	X	X	X	G	X	X	X	E	E
Calcium Sulfide	E	E	E	E	E	E	E	E	E	Cyclohexanol	X	X	X	C	X	X	X	E	E
Calcium Sulfite	E	E	E	E	E	E	E	E	E	Cyclohexanone	X	X	X	X	X	X	X	E	E
Caliche Liquor (Crude Sodium Nitrate)	E	E	G	C	E	E	E	E	E	Cyclopentane	X	X	G	G	X	X	X	E	E
Cane Sugar Liquors (Non F.D.A.)	E	E	E	E	E	E	E	E	E	Cyclopentanol	X	X	N	N	X	X	N	E	E
Carbitol	X	X	G	G	E	G	G	E	E	P-Cymene	X	X	X	C	X	X	X	E	E
Carbitol Acetate	X	X	X	X	G	X	G	E	E	DDT In Kerosene	X	X	G	E	F	X	X	E	E
Carbolic Acid (Phenol)	X	X	C	X	G	C	C	E	E	Decaline	X	X	X	X	X	X	X	E	E
Carbon Bisulfide	N	N	N	N	N	N	N	N	N	Decane	X	X	X	G	X	X	X	E	E
										Detergent, Water Sltn.	G	G	G	E	G	G	E	E	E
										Developing Fluid (pic)	E	G	E	E	E	E	G	N	N

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
DHSO Butylene	X	X	X	G	X	X	X	E	N	Diphenyl (Biphenyl)	X	X	X	X	X	X	X	E	E
Diacetone Alcohol	X	X	G	X	E	G	G	E	E	Diphenyl Oxide (Phenyl Ether)	X	X	X	X	X	C	X	E	E
Diamonium Phosphate	N	N	N	N	N	N	N	N	N	Dipropylene Glycol	E	E	E	E	E	E	E	E	E
Diamylamine	G	C	E	G	E	C	C	E	E	Dipropyl Ketone	X	X	X	X	G	X	G	E	E
Diamyl Naphthalene	X	X	N	N	X	X	N	E	N	Dipropylamine	G	G	G	G	E	C	E	E	E
Dibenzyl Ether	X	X	X	X	G	X	X	E	E	Disodium Phosphate	E	E	E	E	E	E	E	E	E
Dibenzyl Sebacate	C	X	X	X	G	X	G	E	E	Divinyl Benzene	X	X	X	X	X	X	X	E	E
Dibromobenzene	X	X	X	X	X	X	X	G	G	Dodecyl Benzene	X	X	X	X	X	X	X	E	E
Dibromomethane	X	X	X	X	X	X	X	G	G	Dodecyl Toluene	X	X	X	X	X	X	X	E	E
Dibutyl Ether	X	X	X	X	X	X	C	E	E	Dowfume W 40, 100%	X	X	C	X	X	C	C	G	G
Dibutylamine	G	F	G	E	F	F	G	E	E	Dow-Per (Perchloroethylene)	X	X	X	C	X	X	X	E	E
Dibutylphthalate	X	X	X	X	G	X	E	E	E	Dowtherm Oil, A and E	X	X	X	X	X	C	X	E	E
Dibutyl Sebacate	X	X	X	X	G	X	G	G	G	Dowtherm S.R.I.	E	E	E	E	E	E	E	E	E
Dicalcium Phosphate	E	E	E	E	E	E	E	E	E	Dry Cleaning Fluids	X	X	X	C	X	X	X	E	G
Dichloroacetic Acid	X	X	X	X	C	X	C	E	E	Epichlorohydrin	X	X	X	X	C	C	G	G	G
Dichlorobenzene	X	X	X	X	X	X	X	G	G	Ethanoic Acid	N	N	N	N	N	N	N	N	N
Dichlorobutane	X	X	X	X	X	X	X	E	E	Ethanol (Grain Alcohol)	E	E	E	E	E	E	E	E	E
Dichlorodifluorometh	X	X	E	G	X	X	X	E	E	Ethanolamine	G	G	G	G	E	C	E	C	E
Dichloroethane	X	X	X	X	C	X	X	E	C	Ethers	X	X	X	X	F	F	C	E	E
Dichloroethyl Ether	X	X	X	X	X	X	X	E	E	Ethyl Acetate	X	X	X	X	G	X	C	E	E
Dichloroethylene	X	X	X	X	C	X	X	E	X	Ethyl Acetoacetate	X	X	X	X	G	X	G	E	E
Dichlorohexane	X	X	X	X	X	X	X	E	E	Ethyl Acrylate	X	X	X	X	C	X	X	G	G
Dichloroisopropyl Ether	X	X	X	X	X	X	X	E	E	Ethyl Alcohol	E	E	E	E	E	E	E	E	E
Dichloromethane	X	X	X	X	X	X	X	E	E	Ethyl Aldehyde	F	N	N	N	E	E	N	E	E
Dichloropentane	X	X	X	X	X	X	X	E	E	Ethyl Benzene	X	X	X	F	X	X	X	G	G
Dichloropropane	X	X	N	N	X	X	N	E	E	Ethyl Benzoate	X	X	C	G	G	C	G	E	E
Dichlorotoluene	N	N	N	N	N	N	N	N	N	Ethyl Butyl Alcohol	E	E	E	E	E	E	E	E	E
Dicyclohexylamine	N	N	N	N	N	N	N	N	N	Ethyl Butyl Amine	G	C	G	G	E	C	G	E	E
Dieldrin In Xylene	X	X	X	X	X	X	X	E	E	Ethyl Butyl Ketone	X	X	X	X	G	X	G	E	E
Dieldrin In Xylene And Water Spray	X	X	G	G	X	X	X	E	E	Ethyl Cellulose	G	G	G	G	G	G	G	E	E
Diesel Oil	X	X	G	E	X	C	X	E	E	Ethyl Chloride	F	F	F	F	X	X	X	E	G
Diethanol Amine	G	G	G	G	E	F	F	E	E	Ethyl Dichloride	X	X	X	X	X	X	X	G	G
Diethyl Benzene	X	X	X	X	X	X	X	E	E	Ethylene	X	X	G	E	X	C	X	E	E
Diethyl Ether	X	X	C	G	X	X	X	E	E	Ethyl Ether	X	X	X	C	C	X	X	E	E
Diethyl Ketone	F	X	N	N	G	X	N	E	E	Ethyl Phthalate	X	X	X	X	E	X	G	E	E
Diethylphthalate	X	X	X	X	E	X	G	E	E	Ethyl Silicate	F	F	E	E	E	G	E	E	E
Diethyl Oxalate	C	X	X	C	X	E	E	E	E	Ethylamine	F	F	N	N	G	F	N	G	E
Diethyl Sebacate	X	X	X	X	E	X	C	E	E	Ethylene Bromide	X	X	X	X	X	X	X	G	G
Diethyl Sulfate	X	X	X	X	G	X	G	E	E	Ethylene Chloride	X	X	X	X	X	X	X	G	G
Diethyl Triamine	G	C	G	G	E	C	G	E	E	Ethylene Diamine	G	G	E	E	E	F	E	E	E
Diethylamine	G	G	G	E	G	F	F	E	E	Ethylene Dibromide	X	X	X	X	X	X	X	E	F
Diethylene Dioxide	X	X	X	X	G	X	G	E	E	Ethylene Dichloride	X	X	X	X	X	X	X	G	G
Diethylene Glycol	E	E	E	E	E	E	E	E	E	Ethylene Glycol	E	E	E	E	E	E	E	E	E
Diethylenetriamine	E	G	C	G	E	C	E	E	E	Ethylene Oxide	X	X	X	X	X	X	C	C	C
Dihydroxyethyl Amine	G	C	G	G	E	C	G	E	E	Ethylene Trichloride (Trichloroethylene)	X	X	X	X	C	X	X	G	G
Dihydroxyethyl Ether	E	E	G	E	E	E	G	E	E	Ethyl Formate	X	X	X	X	G	X	C	E	E
Diisobutylene	X	X	G	E	X	X	X	E	E	Ethyl Hexanol	E	E	E	E	E	E	E	E	E
Diisobutyl Ketone	X	X	X	X	G	X	G	E	E	Ethyl Methyl Ketone	C	X	X	X	G	X	G	E	E
Diisodecyl Adipate	X	X	E	X	X	C	E	E	E	Ethyl Oxalate	E	E	X	X	E	X	G	E	E
Diisodecyl Phthalate	X	X	X	X	E	C	E	E	E	Ethyl Propyl Ether	X	X	X	X	X	X	X	E	E
Diisooctyl Adipate	X	X	X	X	E	X	E	E	E	Ethyl Propyl Ketone	X	X	X	X	G	X	G	E	E
Diisooctyl Phthalate	X	X	X	X	E	C	E	E	E	Ethyl Sulfate	X	X	X	X	G	X	G	E	E
Diisopropanol Amine	G	C	X	G	E	C	E	E	E	EX. TRI (Trichloroethylene)	X	X	X	C	X	X	X	G	G
Diisopropyl Benzene	X	X	X	C	X	X	X	E	E	Fatty Acids	X	X	C	C	X	X	X	E	E
Diisopropyl Ether	X	X	X	G	X	X	X	E	E	Ferric Bromide	E	E	E	E	E	E	E	E	E
Diisopropyl Ketone	X	X	X	X	E	X	E	E	E	Ferric Chloride	E	E	E	E	E	E	E	E	E
Dilauryl Ether	X	X	X	C	X	C	X	E	E	Ferric Nitrate	E	E	E	E	E	E	E	E	E
Dimethyl Ketone	G	F	F	X	E	F	E	E	E	Ferric Sulfate	E	E	E	E	E	E	E	E	E
Dimethyl Phthalate	X	X	X	X	E	X	G	E	E	Ferrous Acetate	X	X	X	X	E	X	G	E	E
Dimethyl Sulfate	X	X	X	X	G	X	X	E	E	Ferrous Ammonium Sulfate	E	E	E	E	E	E	E	E	E
Dimethyl Sulfide	X	X	X	X	C	X	X	G	G	Ferrous Chloride	E	E	E	E	E	E	E	E	E
Dimethylamine	G	F	G	G	E	F	E	E	E	Ferrous Hydroxide	G	C	E	G	E	G	E	E	E
Dimethylaniline	X	X	X	X	X	X	C	G	G	Ferrous Sulfate	E	E	E	E	E	E	E	E	E
Dimethylbenzene	X	X	X	X	X	X	X	E	E	Fish Oil	X	X	E	E	E	E	E	E	E
Dimethylformamide (DMF)	C	C	C	X	C	C	C	E	E	Fluoroboric Acid	E	C	G	E	E	E	E	E	E
D.M.P. (Dimethyl Phenols)	N	N	N	N	N	N	N	N	N	Fluorine	X	X	X	X	X	X	X	X	X
Dinitrobenzene	X	X	C	X	C	X	C	E	E	Fluosilicic Acid	G	G	G	G	E	E	G	E	E
Dinitrotoluene	X	X	X	X	X	X	X	E	E	Formaldehyde	C	C	G	G	E	C	G	E	E
Diocyl Adipate (DOA)	X	X	X	X	E	X	G	E	E	Formamide	E	E	E	E	E	E	E	E	E
Diocylamine	G	G	X	G	E	C	G	E	E	Formic Acid	G	G	C	X	E	F	E	C	E
Diocyl Phthalate (DOP)	X	X	X	X	G	X	G	E	E	Freon So 2	N	N	E	N	N	N	E	N	N
Diocyl Sebacate (DOS)	X	X	X	X	G	X	G	E	E	Freon 11	X	X	G	E	X	E	X	E	E
Dioxane	X	X	X	X	G	X	G	E	E	Freon 12	X	X	G	G	X	X	X	G	G
Dioxolane	X	X	X	X	C	X	G	E	E	Freon 13	E	E	E	E	E	E	E	E	E
Dipentene (Limonene)	X	X	X	X	C	X	X	E	E	Freon 21	X	X	G	X	X	X	X	E	E

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Freon 22	X	X	X	E	E	X	E	E	E	Hydrogen Dioxide-10%	X	X	N	N	F	N	N	N	G
Freon 31	G	G	E	X	E	G	E	E	E	Hydrogen Gas	E	G	E	E	E	G	E	E	E
Freon 32	E	E	E	E	E	E	E	E	E	Hydrogen Peroxide, 3%	E	G	C	G	E	E	G	E	E
Freon 112	X	X	G	G	X	G	X	E	E	Hydrogen Peroxide, 10%	X	X	C	X	C	C	C	E	E
Freon 113	C	G	E	E	X	E	X	E	E	Hydrogen Peroxide 30%	X	X	X	X	X	X	C	E	E
Freon 114	E	E	E	E	E	E	E	E	E	Hydrogen Peroxide, 90%	X	X	X	X	X	X	C	G	E
Freon 115	E	E	E	E	E	E	E	E	E	Hydrogen Sulfide	X	X	E	X	E	G	E	E	E
Freon 142b	E	E	E	E	E	E	E	E	E	Hydroquinone	G	G	X	X	G	C	G	E	E
Freon 152a	E	E	E	E	E	C	E	E	E	Hypochlorous Acid	G	G	G	X	G	E	G	E	E
Freon 218	E	E	E	E	E	E	E	E	E	Ink Oil (Linseed Oil Base)	X	X	G	G	G	G	G	E	E
Freon C316	E	E	E	E	E	E	E	E	E	Insulating Oil	X	X	G	E	X	X	X	E	E
Freon C318	E	E	E	E	E	E	E	E	E	Iodine	X	X	X	X	X	F	X	E	E
Freon 13B1	E	E	E	E	E	E	E	E	E	Iron Acetate	X	X	X	X	E	X	G	E	E
Freon 114B2	X	C	E	G	X	E	X	E	E	Iron Hydroxide	C	C	E	G	E	G	G	E	E
Freon 502	E	E	E	G	E	E	E	E	E	Iron Salts	E	E	E	E	E	E	E	E	E
Freon TF	C	G	E	E	E	E	E	E	E	Iron Sulfate	E	E	E	E	E	E	E	E	E
Freon T-WD602	C	G	G	E	E	G	G	E	E	Iron Sulfide	E	E	E	E	E	E	E	E	E
Freon TMC	G	C	G	G	G	G	G	E	E	Isoamyl Acetate	X	X	X	X	E	X	G	E	E
Freon T-P35	E	E	E	E	E	E	E	E	E	Isoamyl Alcohol	E	E	E	E	E	E	E	E	G
Freon TA	E	E	E	E	E	E	E	E	E	Isoamyl Bromide	X	X	X	X	X	X	G	G	G
Freon TC	X	G	E	E	E	E	G	E	E	Isoamyl Butyrate	X	X	X	X	C	X	C	G	G
Freon MF	X	G	C	E	X	G	X	E	E	Isoamyl Chloride	X	X	X	X	C	X	X	G	G
Freon BF	X	X	G	G	X	G	X	E	E	Isoamyl Ether	X	X	X	X	X	X	X	E	E
Fuel A (ASTM)	X	X	G	E	X	F	X	E	E	Isoamyl Phthalate	X	X	X	X	E	X	G	E	E
Fuel B (ASTM)	X	X	F	E	X	X	X	G	G	Isobutane	X	X	E	E	X	X	E	E	E
Fuel ASTM C	X	X	C	G	X	X	X	G	G	Isobutanol (Isobutyl Alcohol)	E	E	E	E	E	E	E	E	E
Fuel Oil	X	X	G	E	X	E	X	E	E	Isobutyl Acetate	X	X	X	X	E	X	G	E	E
Fumaric Acid	E	E	G	E	X	G	X	E	E	Isobutyl Aldehyde	C	X	X	X	G	X	G	E	E
Furan	X	X	X	X	C	X	C	E	E	Isobutyl Amine	G	C	X	X	G	C	G	E	E
Furfural	X	X	C	X	G	G	G	E	E	Isobutyl Bromide	X	X	X	X	X	X	X	G	G
Furfuryl Alcohol	X	X	C	X	C	C	C	E	E	Isobutyl Carbinol	E	E	G	E	E	E	E	E	E
Gallic Acid	E	E	G	G	G	G	G	E	E	Isobutyl Chloride	X	X	X	X	X	X	X	G	G
Gasoline - Regular	X	X	E	E	X	C	X	E	E	Isobutylene	X	X	X	X	E	X	X	E	E
Gasoline - Hi-Test	X	X	G	E	X	X	X	E	E	Isobutyl Ether	X	X	X	X	X	X	X	E	E
Gasoline - Lead Free	X	X	G	G	X	X	X	E	E	Isocyanates	C	X	X	X	G	C	G	G	G
Gas, Coal	N	N	N	N	N	N	N	N	N	Isooctane	X	X	E	E	X	G	X	E	E
Gas, High Octane	X	X	G	E	X	X	X	E	E	Isopentane	X	X	E	E	X	X	X	G	G
Gelatin	E	E	E	E	E	E	E	E	E	Isopropyl Amine	G	C	E	G	E	C	G	E	E
Gluconic Acid	X	X	C	C	C	G	C	E	E	Isopropyl Acetate	X	X	X	X	E	C	G	E	E
Glucose	E	E	G	G	E	E	G	E	G	Isopropyl Alcohol (Iso-propanol)	E	E	E	E	E	E	E	G	G
Glue	E	E	E	E	E	E	E	E	E	Isopropyl Amine	G	X	E	C	G	C	G	E	E
Glycerine (Glycerol)	E	E	E	E	E	E	E	E	E	Isopropyl Benzene	X	X	X	X	X	X	X	E	E
Glycols	E	E	E	E	E	E	E	E	E	Isopropyl Chloride	X	X	X	X	X	X	X	G	G
Grease	X	X	E	X	F	X	E	G	E	Isopropyl Ether	X	X	X	C	X	C	X	E	E
Green Sulfate Liquor	E	E	G	E	E	E	E	E	E	Isopropyl Toluene	X	X	X	X	X	X	X	E	E
Halium	E	E	E	E	E	E	E	N	N	Jet Fuels	X	X	G	E	X	F	X	E	E
Halowax Oil	X	X	X	X	X	X	X	E	E	Kerosene	X	X	C	E	X	F	X	E	E
Heptachlor in Petroleum Solvents	X	X	G	G	X	X	X	E	E	Ketones	G	G	X	X	G	X	E	E	E
Heptachlor in Petroleum Solvents, Water Spray	X	X	G	G	X	X	X	E	E	Lacquer Solvents	X	X	X	X	X	X	X	E	E
Heptanal (Heptaldehyde)	X	X	X	X	X	X	G	E	E	Lactic Acid - Cold	G	G	E	X	E	G	X	C	N
Heptane	X	X	E	E	X	G	X	E	E	Lactic Acid - Hot	X	X	X	X	N	C	X	N	N
Heptane Carboxylic Acid	X	X	G	C	C	G	C	E	E	Lard	X	X	G	E	X	X	C	E	E
Hexaldehyde	X	X	G	X	G	C	G	E	E	Lauryl Alcohol	E	E	E	E	E	E	E	E	E
Hexane	X	X	E	E	X	F	X	E	E	Lavender Oil	X	X	X	G	X	X	X	G	N
Hexanol	E	E	E	E	E	E	E	E	E	Lead Acetate	X	X	G	G	E	X	G	E	E
Hexene	X	X	G	G	X	G	X	E	E	Lead Nitrate	E	E	E	E	E	E	E	E	E
Hexylamine	G	C	G	G	G	C	G	E	E	Lead Sulfamate	G	G	E	G	E	G	E	E	E
Hexylene	X	X	G	E	X	X	C	G	G	Lead Sulfate	E	E	E	E	E	E	E	E	E
Hexylene Glycol	E	E	E	E	E	E	E	E	E	Ligroin	X	X	E	E	X	X	X	E	E
Hexyl Methyl Ketone	X	X	X	X	G	X	G	E	E	Lime	X	X	C	F	E	E	G	E	E
Hi-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G	Lindol (Tricresyl Phosphate)	X	X	X	X	E	G	E	E	E
Hydraulic Fluid (Petroleum)	X	X	G	E	X	G	X	E	E	Linoleic Acid	X	X	X	X	X	X	X	N	N
Hydraulic Fluid (Phosphate Ester Base)	X	X	X	X	E	X	E	E	E	Linseed Oil	X	X	G	E	E	C	G	E	E
Hydraulic Fluid (Poly Alkylene Glycol Base)	G	G	E	E	E	E	E	E	E	Liquid Petroleum Gas	X	X	G	E	X	G	X	E	E
Hydraulic & Motor Oil	X	X	C	E	X	G	X	E	E	Liquid Soap	E	E	E	E	E	E	E	E	E
Hydrobromic Acid	E	X	X	F	E	E	G	E	E	Lubricating Oils	X	X	C	E	X	F	X	E	E
Hydrochloric Acid, 37%	E	X	X	F	X	X	E	E	E	Lye Solution	G	G	G	E	E	E	E	E	G
Hydrochloric Acid, 50%	E	C	X	X	G	E	C	E	E	Mek	G	X	X	X	G	X	G	E	G
Hydrochloric Acid, 100%	G	C	X	X	C	G	C	E	E	Magnesium Acetate	X	X	X	X	E	X	G	E	E
Hydrocyanic Acid	G	F	E	F	G	E	C	E	E	Magnesium Carbonate	E	E	E	E	E	E	E	E	E
Hydrofluoric Acid	X	X	X	X	E	E	X	C	E	Magnesium Chloride	E	E	E	E	E	E	G	E	E
Hydrogen Chloride	N	N	N	N	N	N	N	N	N	Magnesium Hydroxide	E	E	E	E	E	E	G	E	E
Anhydrous										Magnesium Nitrate	E	E	E	E	E	E	E	E	E
										Magnesium Sulfate	E	E	E	E	E	E	E	E	E
										Malathion 50 in Aromatic Solvents	X	X	C	C	X	X	X	E	E

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Malathion 50 in Aromatic Solvents,	X	X	E	E	X	X	X	E	E	Nitrogen Tetraoxide	X	X	X	X	X	X	X	X	X
Water Spray										Nitromethane	G	G	C	X	G	C	G	E	E
Maleic Acid	X	X	X	F	X	F	F	G	G	Nitropropane	C	C	C	X	E	C	G	E	E
Maleic Anhydride	X	X	C	X	C	X	C	E	E	Nitrous Oxide Gas	E	E	E	E	E	E	E	E	E
Malic Acid	E	G	C	G	X	G	X	E	E	Octadecanoic Acid	X	X	G	E	G	X	C	E	E
Manganese Sulfate	E	E	E	E	E	E	E	E	E	Octane	X	X	G	E	X	X	X	G	G
Manganese Sulfide	C	E	G	E	E	E	G	E	E	Octanol (Octyl Alcohol)	G	G	E	G	G	G	G	E	E
Manganese Sulfite	C	E	G	E	E	E	G	E	E	Octyl Acetate	X	X	X	X	E	X	G	E	E
Mercuric Chloride	G	G	C	C	G	G	C	E	E	Octyl Amine	C	C	G	C	G	C	G	E	E
Mercury	E	E	E	E	E	E	E	E	E	Octyl Carbinol	E	E	E	E	E	E	E	E	E
Mercury Vapors	E	E	E	E	E	E	E	E	E	Octylene Glycol	E	E	E	E	E	E	E	E	E
Methacrylic Acid	X	X	G	X	G	C	G	E	E	Oil, Astm #1	X	X	E	E	X	G	X	E	E
Methane	X	X	G	E	X	G	X	E	E	Oil, Astm #2	X	X	E	E	X	C	X	E	E
Methanoic Acid	N	N	N	N	N	N	E	N	N	Oil, Astm #3	X	X	C	G	E	X	X	E	E
Methanol	E	E	E	E	E	E	E	E	E	Oil - Petroleum	X	X	E	E	X	F	X	E	E
(Methyl Alcohol)										Oleic Acid	X	X	F	C	G	X	G	E	E
Methyl Acetate	F	X	X	X	G	X	G	E	E	Oleum (Fuming Sulf Acid)	X	X	X	X	X	X	X	X	X
Methyl Acrylate	C	X	C	X	G	X	G	E	E	Olive Oil	X	X	G	E	E	G	G	E	E
Methyl Alcohol (Methanol)	E	E	E	E	E	E	E	E	E	Ortho-Dichlorobenzene	X	X	X	X	X	X	X	E	E
Methyl Benzene (Toluene)	X	X	X	X	X	X	X	E	E	Orthoxylene	X	X	N	N	X	X	X	E	G
Methyl Bromide	X	X	X	G	G	X	G	E	E	Oxalic Acid	F	F	G	F	E	G	E	E	E
Methyl Butyl Ketone	X	X	X	X	G	X	G	E	E	Oxygen, Cold	G	G	G	G	E	G	G	E	E
Methyl Cellosolve	X	X	G	C	G	C	G	E	E	Oxygen, Hot	X	X	X	X	X	X	X	E	E
Methyl Chloride	X	X	X	F	X	X	E	G	F	Ozone	X	F	G	X	G	E	E	E	E
Methyl Cyclohexane	X	X	X	X	X	X	X	G	G	Paint Thinner	X	X	X	X	X	X	X	E	E
Methylcyanide	N	N	N	N	N	N	X	N	N	Palmitic Acid	X	X	C	E	E	C	C	G	E
Methylene Bromide	X	X	X	X	X	X	X	G	C	Palm Oil	X	X	G	E	E	G	G	E	E
Methylene Chloride	X	X	X	X	X	X	X	E	G	Papermakers Alum	E	E	E	E	E	E	E	E	E
Methyl Ethyl Ketone (MEK)	G	X	X	X	G	X	G	E	E	Para-Dichlorobenzene	X	X	X	X	X	X	X	G	G
Methyl Formate	C	C	G	X	G	C	G	G	G	Paraffin Wax	X	X	G	E	X	X	X	X	X
Methyl Hexanol	E	E	E	E	E	E	E	E	E	Paraformaldehyde	X	X	G	G	G	G	X	E	E
Methyl Hexyl Ketone	X	X	X	X	G	X	G	E	E	Paraxylene	X	N	N	N	X	X	N	E	E
Methyl Isobutyl Carbinol	G	C	G	G	E	G	E	E	E	Peanut Oil	X	X	G	E	C	G	X	E	E
Methyl Isobutyl Ketone (MIBK)	X	X	X	X	G	X	G	E	E	Pentachloroethane	X	X	N	N	X	X	N	E	E
Methyl Isopropyl Ketone	X	X	X	X	G	X	G	E	E	Pentane	X	X	E	E	X	G	X	E	E
Methyl Propyl Ether	X	X	X	X	X	X	X	E	E	Perchloric Acid-2N	G	G	E	X	G	E	C	E	E
Methyl Propyl Ketone	X	X	X	X	G	X	G	E	E	Perchloroethylene	X	X	X	X	X	X	X	G	G
Methyl Methacrylate	X	X	X	X	X	G	X	G	G	Petrolatum	X	X	E	E	X	C	X	E	E
Methyl Salicylate	X	X	X	X	G	X	G	G	G	Petroleum, Crude	X	X	G	E	X	X	X	E	E
Mineral Oil	X	X	C	E	X	G	X	E	E	Petroleum Ether (Naphtha)	X	X	E	E	X	X	X	E	E
Mineral Spirits	X	X	G	E	X	X	E	E	E	Petroleum Oils	X	X	E	E	X	C	X	E	E
Molten Sulfur	X	X	N	N	G	F	X	X	N	Phenol	F	F	F	X	E	F	F	E	E
Monochlorobenzene	X	X	X	X	X	X	X	G	G	Phenolsulfonic Acid	X	X	C	X	C	X	C	G	G
Monochlorodifluoromethane	X	X	E	X	E	X	E	E	E	Phenyl Chloride	X	X	X	X	X	X	X	E	E
(Freon 22)										Phenylhydrazine	C	X	X	X	G	C	X	E	E
Monoehanolamine	G	C	G	C	G	G	G	E	E	Phorone	X	X	X	X	E	X	G	E	E
Monomethylether	G	G	E	E	E	C	C	E	E	Phosphate Esters	X	X	X	X	E	X	E	E	E
Monovinyl Acetate	X	X	X	X	G	C	C	E	E	Phosphoric Acid 10%	E	E	E	E	E	E	E	E	E
Morpholine	N	N	N	X	N	N	X	N	N	Phosphoric Acid 10%-85%	F	F	G	F	E	E	E	E	E
Motor Oil - 40W	X	X	E	E	X	X	X	E	E	Phosphorous Trichloride	X	X	X	X	E	X	E	E	E
Muriatic Acid	E	X	X	X	F	X	F	E	E	Pickling Solution	C	C	C	C	C	C	C	E	E
N-Octane	X	X	G	G	X	X	X	G	N	Picric Acid, Molten	C	C	C	C	C	G	C	X	X
Naphtha	X	X	G	E	X	X	E	C	X	Picric Acid, Water Solution	E	C	G	G	E	G	E	E	E
Naphtlalene	X	X	X	X	X	X	X	E	E	Pinene	X	X	X	E	X	X	X	E	E
Naphthenic Acids	X	X	X	G	X	X	E	E	E	Pine Oil	X	X	X	F	F	X	X	E	E
Natural Gas	X	X	F	F	X	F	X	C	X	Piperidine	X	X	X	X	X	X	X	G	G
Neatsfoot Oil	X	X	G	E	G	G	G	E	E	Pitch	X	X	G	G	X	C	X	E	E
Neon Gas	E	E	E	E	E	E	X	N	N	Plating Solutions, Chrome	X	X	G	G	E	C	E	E	E
Neu-Tri (Trichloroethylene)	X	X	X	C	X	X	X	G	G	Plating Solutions, Others	E	E	G	G	E	C	E	E	E
Nickel Acetate	X	X	X	E	E	X	G	E	E	Polyvinyl Acetate Emulsion (PVA)	C	C	G	C	E	G	E	E	E
Nickel Chloride	E	E	E	E	E	E	E	E	E	Polyethylene Glycol	E	E	E	E	E	E	E	E	E
Nickel Nitrate	E	E	E	E	E	E	E	E	E	Polypropylene Glycol	E	E	E	E	E	E	E	E	E
Nickel Plating Solution	E	X	C	G	G	G	G	E	E	Potassium Acetate	X	X	X	X	E	X	G	E	E
Nickel Sulfate	E	E	E	E	E	E	E	E	E	Potassium Bicarbonate	E	E	E	E	E	E	E	E	E
Niter Cake	E	E	E	E	E	E	E	E	E	Potassium Bisulfate	E	E	E	E	E	E	E	E	E
Nitric Acid, Conc (16N)	X	X	X	X	G	G	E	G	N	Potassium Bisulfite	E	E	E	E	E	E	E	E	E
Nitric Acid, Red Fuming	X	X	X	X	X	X	X	X	X	Potassium Carbonate	E	E	E	E	E	E	E	E	E
Nitric Acid - 10%	X	X	X	X	G	G	G	E	E	Potassium Chloride	E	E	E	E	E	E	E	E	E
Nitric Acid - 13N	N	N	N	N	N	N	C	N	N	Potassium Chromate	X	X	F	X	E	F	G	G	G
Nitric Acid - 13N + 5%	N	N	N	N	N	N	N	N	N	Potassium Cyanide	E	E	E	E	E	E	G	E	E
Nitric Acid - 20%	X	X	X	X	G	G	F	E	E	Potassium Dichromate	X	X	G	X	E	F	G	E	E
Nitric Acid - 30%	X	X	X	X	F	F	F	G	G	Potassium Hydrate	E	G	G	G	E	G	E	E	E
Nitric Acid - 30% - 70%	X	X	X	X	F	F	C	F	F	Potassium Hydroxide	E	E	C	E	E	E	E	E	E
Nitrobenzene	X	X	X	X	X	X	E	N	N	Potassium Nitrate	E	E	E	E	E	E	E	E	E
Nitroethane	G	G	C	X	G	G	X	E	N	Potassium Permanganate 5%	X	X	X	X	E	X	E	E	E
Nitrogen Gas	E	E	E	E	E	E	E	E	E	Potassium Silicate	E	E	E	E	E	E	E	E	E

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE		NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Potassium Sulfate	E	E	E	E	E	E	E	E	E	Stearic Acid	X	X	G	G	G	G	G	E	E
Potassium Sulfide	E	E	E	E	E	E	E	E	E	Stoddards Solvent	X	X	C	E	X	X	X	X	E
Potassium Sulfite	E	E	E	E	E	E	E	E	E	Styrene	X	X	X	X	X	X	X	X	X
Producer Gas	X	X	G	E	X	G	X	E	E	Sugar Solutions (Sucrose - Non F.D.A.)	E	E	E	E	E	E	E	E	E
Propane	X	X	C	E	X	G	X	E	N	Sulfamic Acid	C	C	G	G	E	G	E	E	E
Propanediol	E	E	G	E	E	E	E	E	E	Sulfite Liquors	G	G	G	G	E	E	G	E	E
Propyl Acetate	X	X	X	X	G	X	G	E	E	Sulfonic Acid	X	X	C	X	X	C	X	G	G
Propyl Alcohol (Propanol)	E	E	E	E	E	E	E	E	E	Sulfur (Molten)	X	X	X	X	F	F	F	G	G
Propyl Aldehyde	C	X	X	X	G	X	G	E	E	Sulfur Chloride	X	X	C	X	G	X	G	X	G
Propyl Chloride	X	X	C	X	C	X	C	G	G	Sulfur Dioxide	F	F	G	C	X	G	G	F	G
Propylene	X	X	X	X	X	X	X	N	N	Sulfur Hexafluoride	E	E	E	E	E	E	E	E	E
Propylene Diamine	G	G	G	G	E	C	G	E	E	Sulfur Trioxide	X	X	X	X	G	X	C	G	G
Propylene Dichloride	X	X	X	X	X	X	X	G	G	Sulfuric Acid 60% (200F)	X	X	F	X	F	G	C	G	E
Propylene Glycol	E	E	E	E	E	E	E	E	E	Sulfuric Acid - Conc.	X	X	X	X	X	E	X	E	X
Pydraul Hydraulic Fluids	X	X	X	X	G	X	G	G	G	Sulfuric Acid - Fuming	X	X	X	X	X	X	X	X	X
Pyranol	X	X	X	C	X	X	X	E	E	Sulfuric Acid 25%	G	G	G	E	E	E	G	E	E
Pyridine	X	X	X	X	G	X	G	E	E	Sulfuric Acid 25% - 50%	G	X	X	F	E	E	E	E	E
Pyroligneous Acid	C	C	G	C	G	G	G	E	E	Sulfuric Acid 50% - 96%	X	X	F	X	F	G	G	E	E
Pyrrrole	C	G	X	X	G	X	C	E	E	Sulfurous Acid	G	C	G	C	G	E	G	E	E
Rape Seed Oil	X	X	G	G	E	G	G	G	G	Tall Oil	X	X	G	E	X	G	X	E	E
Red Oil (Crude Oleic Acid)	X	X	G	G	G	G	G	E	E	Tallow	X	X	E	E	X	X	X	E	E
Refrigerant 11 - Freon	X	X	C	E	X	F	F	G	G	Tannic Acid	E	G	G	C	E	G	E	E	E
Refrigerant 12 - Freon	X	X	G	E	X	X	X	G	G	Tar	X	X	G	G	X	X	X	E	E
Refrigerant 22 - Freon	X	X	E	X	E	X	X	E	E	Tar Bituminous	X	X	C	G	X	X	X	N	N
Richfield A Weed Killer, 100%	X	X	X	X	X	X	X	G	G	Tartaric Acid	E	E	G	E	E	E	G	E	E
Richfield B Weed Killer, 33%	X	X	G	G	G	C	X	G	G	Terpineol	X	X	X	X	C	X	C	G	G
Rosin Oil	X	X	E	E	X	G	X	E	E	Tertiary Butyl Alcohol	E	E	E	E	E	E	E	E	E
Rotenone And Water	E	E	E	E	E	E	E	E	E	Tetrachlorobenzene	X	X	X	X	X	X	X	G	G
Sal Ammoniac	E	E	E	E	E	E	E	E	E	Tetrachloroethane	X	X	X	X	X	X	X	E	G
Salicylic Acid	E	G	X	X	E	E	E	E	E	Tetrachloroethylene	X	X	X	X	X	X	X	E	E
Sea Water	E	E	E	E	E	E	E	E	E	Tetrachloromethane	X	X	X	X	X	X	X	G	G
Sewage	F	F	G	E	F	E	G	E	E	Tetrachloronaphthalene	X	X	X	X	X	X	X	G	G
Silicone of Soda (Sodium Silicate)	E	E	E	E	E	E	E	E	E	Tetraethylene Glycol	E	E	E	E	E	E	E	E	E
Silicate Esters	X	X	E	G	X	E	X	E	E	Tetraethyl Lead	X	X	C	G	X	X	X	E	E
Silicone Greases	E	E	E	E	E	E	E	E	E	Tetrahydrofuran (THF)	X	X	X	X	X	X	X	E	E
Silicone Oil	E	F	E	E	E	E	F	E	E	Thionyl Chloride	X	X	X	X	X	X	X	E	E
Silver Nitrate	E	E	E	E	E	E	E	E	E	Tin Chloride	E	E	E	E	E	E	E	E	E
Skelly Solvent	X	X	G	E	X	C	X	E	E	Tin Tetrachloride	E	E	E	E	E	E	E	E	E
Skydrol Hydraulic Fluids	X	X	X	X	E	X	E	E	E	Titanium Tetrachloride	X	X	G	F	X	F	F	E	G
Soap Solutions	G	E	G	E	E	E	E	E	E	Toluene	X	X	X	X	X	X	X	E	E
Soda Ash	E	E	E	E	E	E	E	E	E	Toluene Diisocyanate (TDI)	C	C	X	C	E	X	E	E	E
Soda, Caustic (Sodium Hydroxide)	E	G	E	G	E	E	E	E	E	Toxaphene	X	X	G	G	X	X	X	E	E
Soda Lime	E	E	G	G	E	G	E	E	E	Transformer Oils (Petroleum Base)	X	X	G	E	X	G	X	E	E
Soda Niter (Sodium Nitrate)	E	E	E	E	E	E	E	E	E	Transformer Oils (Chlorinated Phenylnyl Base Askerels)	X	X	X	X	X	X	X	G	G
Sodium Acetate	X	X	X	X	X	X	G	E	E	Transmission Fluids, A	X	X	C	G	X	X	X	E	E
Sodium Aluminate	E	E	E	E	E	E	E	E	E	Transmission Fluids, B	X	X	X	C	X	X	X	E	E
Sodium Bicarbonate	E	E	E	E	E	E	E	E	E	Tributyl Amine	G	G	G	G	E	C	E	E	E
Sodium Bisulfate	E	E	E	E	E	E	E	E	E	Tributyl Phosphate	X	X	X	X	G	X	G	E	E
Sodium Bisulfite	E	E	E	E	E	E	E	E	E	Tricetin	E	G	G	G	E	G	E	E	E
Sodium Borate	E	E	E	E	E	E	E	E	E	Trichloroacetic Acid	C	G	X	G	G	X	G	E	N
Sodium Carbonate	E	E	E	E	E	E	E	E	E	Trichlorobenzene	X	X	X	X	X	X	X	G	G
Sodium Chloride	E	E	E	E	E	E	E	E	E	Trichloroethane	X	X	X	X	X	X	X	E	E
Sodium Chromate	X	X	C	X	E	C	G	G	G	Trichloroethylene	X	X	X	C	X	X	X	G	X
Sodium Cyanide	E	E	E	E	E	E	E	E	E	Trichloropropane	X	X	X	X	X	X	X	E	E
Sodium Dichromate	X	X	C	X	E	F	G	E	E	Tricresyl Phosphate (TCP)	X	X	X	X	E	X	G	E	E
Sodium Flouride	E	E	E	E	E	E	E	E	E	Triethanolamine (TEA)	G	G	E	G	E	E	G	E	E
Sodium Hydroxide (Caustic Soda)	E	C	E	G	E	E	E	E	E	Triethylamine	G	G	E	G	G	E	G	E	E
Sodium Hypochlorite	F	X	X	X	G	F	G	G	G	Triethylene Glycol	E	E	E	E	E	E	E	E	E
Sodium Metaphosphate	E	E	G	E	E	G	E	E	E	Trinitrotoluene (TNT)	X	X	G	X	X	G	X	X	X
Sodium Nitrate	E	E	E	E	E	E	E	E	E	Triphenyl Phosphate	X	X	C	X	E	C	G	E	E
Sodium Nitrite	E	E	E	E	E	E	E	E	E	Trisodium Phosphate	E	E	E	E	E	E	E	E	E
Sodium Perborate	C	X	G	X	E	X	G	E	E	Tung Oil	X	X	G	E	C	G	X	E	E
Sodium Peroxide	G	G	G	G	E	G	E	G	G	Turbine Oil	X	X	G	G	X	G	X	E	E
Sodium Phosphate	E	G	G	E	E	E	E	E	E	Turpentine	X	X	E	E	X	X	X	G	E
Sodium Silicate	E	E	E	E	E	E	E	E	E	2, 4D With 10% Fuel Oil	X	X	E	E	X	X	X	E	E
Sodium Sulfate	E	E	E	E	E	E	E	E	E	Ucon Hydrolube Oils	X	X	G	E	E	X	E	E	E
Sodium Sulfide	E	E	E	E	E	E	E	E	E	Undecanol	E	E	E	E	E	E	E	E	E
Sodium Sulfite	E	E	E	E	E	E	E	E	E	Unsymmetrical Dimethyl Hydrazine (UDMH)	X	X	X	X	E	E	E	C	C
Sodium Thiosulfate	E	E	E	E	E	E	E	E	E	Uran	G	C	G	G	G	E	G	E	E
Soybean Oil	X	X	G	G	G	G	G	E	E	Urea	E	F	E	F	E	F	E	E	E
Stannic Chloride	E	E	E	E	G	E	E	E	E	Urethane Formulations	N	N	N	N	N	N	N	N	N
Stannic Sulfide	E	E	E	E	E	E	E	E	E	Uric Acid	N	N	N	N	N	N	N	N	N
Stannous Chloride	E	E	E	E	E	E	E	E	E	Varnish	X	X	G	G	X	F	X	E	E
Stannous Sulfide	E	E	E	E	E	E	E	E	E	Vegetable Oils	X	X	G	E	E	G	C	E	E
Steam - Below 350 Deg F	X	X	X	X	G	X	E	X	X										

CHEMICAL, OIL AND SOLVENT RESISTANCE TABLE - RUBBER HOSE

	NR	SBR	CR	NBR	IIR	CSM	EPDM	XLPE	UHMWPE
Versilube	C	C	C	E	E	E	E	E	E
Vinegar	E	F	E	C	E	E	G	E	E
Vinegar Acid	E	F	E	F	E	E	G	E	E
Vinyl Acetate	X	X	X	X	G	F	F	G	X
Vinyl Benzene	X	X	X	X	X	X	X	G	G
Vinyl Chloride	F	X	X	X	X	X	X	E	E
Vinyl Cyanide	N	N	N	N	N	N	N	N	N
Vinyl Ether	X	X	X	X	X	C	C	E	E
Vinyl Styrene	N	N	N	N	N	N	N	N	N
Vinyl Toluene	X	X	X	X	X	X	X	G	G
Vinyl Trichloride	X	X	X	X	X	X	X	E	E
V.M. & P. Naptha	X	X	E	E	X	X	X	E	E
Water, Fresh (Non F.D.A.)	E	E	E	E	E	E	E	E	E
Water Boiling	N	N	E	N	N	N	E	N	N
Water, Salt	E	E	E	G	E	E	E	E	E
Whiskey	E	E	E	E	E	E	E	X	N
White Liquor	E	E	E	E	G	E	C	E	E
White Oil	X	X	G	E	X	X	X	E	E
Wines	E	E	E	E	E	E	E	X	N
Wood Alcohol	E	E	E	E	E	E	E	E	E
Xylene (Xylol)	X	X	X	X	X	X	X	C	C
Xylidine	X	X	X	X	X	X	X	G	G
Zeolites	G	E	E	C	C	E	E	E	E
Zinc Acetate	C	X	C	C	E	C	G	E	E
Zinc Carbonate	E	E	E	E	E	E	E	E	E
Zinc Chloride	E	E	E	E	E	E	G	E	E
Zinc Chromate	E	C	E	E	E	C	E	G	G
Zinc Sulfate	E	E	E	E	E	E	E	E	E

RESISTANCE RATING			
E	EXCELLENT	C	ACCEPTABLE
G	GOOD	X	UNSATISFACTORY
F	FAIR	N	NO DATA

**Maximum temperature
100°F (38°C)
unless otherwise specified.**

The reader is cautioned that the above table is only a guide and should be used as such. The degree of resistance of an elastomer with a particular fluid depends on such variables as temperature, concentration, pressure, velocity of flow, duration of exposure, aeration, stability of fluid, etc. Also, variations in elastomer types and special compound- ing of stocks to meet specific service conditions have considerable influence on the results obtained.