



Chemical Resistance Chart

Oilfield chemical transfer hose

Chemical Resistance charts

Oilfield chemical transfer hose

Caution: Unless otherwise specified, the ratings are based on fully concentrated or saturated solutions at 100°F under normal service conditions.

Note: Hose ratings are for the effect on the polymer only. The degree of resistance of a rubber compound to a specific chemical depends on many variables such as temperature, concentration, length of exposure, stability of chemical, etc. For a specific compound, many grades of polymers are available which can alter the compound's chemical resistance.

WHEN IN DOUBT, before using a specific product, contact your local GOODALL Sales Representative for assistance if unusual service conditions or high temperatures are present in the product application.

This chemical resistance section is presented by Goodall Rubber Company to assist users in their search for the proper compound for a given application. While the information is presented in good faith, no guarantee, expressed or implied, can be given as to the accuracy of these ratings.

Rating scale

A = May be used for continuous Service
B = May be used for intermittent Service
I = Insufficient data, contact customer services
X = Do not use

Gaskets

T = PTFE
V = FPM
B = Nitrile
N = Neoprene
S = Silicone

A

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Acetaldehyde	A	A	B	X	TS
Acetic Acid, Conc.	A	A	B	X	T
Acetic Acid, Dilute 10*	A	A	I	X	TVN
Acetic Acid, Glacial	A	A	B	X	TS
Acetic Aldehyde	A	A	B	X	T
Acetic Anhydride	A	A	B	X	TS
Acetic Ester	A	A	A	A	TV
Acetic Ether	A	A	A	A	T
Acetic Oxide	A	A	B	X	T
Acetone	A	A	A	I	T
Acetone Cyanohydrin	A	I	I	I	TS
Acetyl Acetone	A	I	B	I	T
Acetyl Chloride	A	B	X	A	TV
Acetyl Oxide	A	A	B	X	T
Acetylene (dry)	X	A	I	I	TVBNS
Acetylene Dichloride	X	I	A	X	TV
Acetylene Tetrachloride	I	A	X	X	TV
Acrolein	A	I	I	I	TV
Acrylic Acid	A	A	I	I	TV
Acrylonitrile	A	A	X	I	T
Alk-Tri	I	A	I	I	TV
Allyl Alcohol	A	A	I	A	TBN
Allyl Bromide	I	I	I	I	T
Allyl Chloride	I	A	X	X	TS
Alum*	A	A	I	X	TVBNS
Aluminum Acetate	A	A	I	X	T
Aluminum Chloride*	A	I	I	X	TVB
Aluminum Formate	A	I	I	I	T
Aluminum Hydroxide*	A	A	I	X	TS
Aluminum Sulfate*	A	A	X	X	TVBNS
Aminoethanol	A	A	B	I	TBN
Aminoethylethanolamine	A	I	I	I	T
Ammonia	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ammonia Cupric Sulfate*	A	I	I	I	TVB
Ammonium Chloride*	A	A	X	X	TVBN
Ammonium Hydroxide*	A	A	X	I	TNS
Ammonium Nitrate (ANFO)*	SPECIAL HOSE REQUIRED				

Temperature at 100°F (*, 150°F)

A

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Ammonia Cupric Sulfate*	A	I	I	I	TVB
Ammonium Chloride*	A	A	X	X	TVBN
Ammonium Hydroxide*	A	A	X	I	TNS
Ammonium*					
Ammonium Phosphate*	A	A	X	X	TVBNS
Ammonium Sulfate*	A	A	X	X	TVNS
Ammonium Sulfide*	A	A	X	X	TVN
Ammonium Sulfite*	A	A	X	I	TVBN
Ammonium Thiosulfate	A	A	B	X	TVBN
Amyl Acetate	A	A	A	I	T
Amyl Alcohol	A	A	I	A	TBNS
Amyl Chloride	B	A	X	I	TV
Amyl Oleate	I	I	I	I	T
Amyl Phenol	I	I	I	I	TV
Amyl Phthalate	I	I	I	I	T
Amylamine	I	I	I	I	T
Anethole	I	I	I	I	T
Anhydrous Amonia	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Aniline	A	A	B	X	TV
Animal Grease	A	A	A	I	TVB
Animal Oils	B	A	A	I	TVB
Antimony Pentachloride	B	I	I	I	T
Aqua Ammonia*	A	A	X	I	TV
Aromatic Spirits	I	A	I	I	TV
Aromatic Tar	I	I	I	I	TV
Arquads	A	I	I	I	TVB
Arsenic Acid	A	A	X	X	TVS
Arsenic Chloride	X	I	I	I	TN
Arsenic Trichloride	X	X	I	I	TB
Asphalt	SPECIAL HOSE REQUIRED				
ASTM #1 Oil	A	A	A	I	TVBNS
ASTM #2 Oil	A	A	A	A	TVB
ASTM #3 Oil	A	A	A	A	TVB

Temperature at 100°F (*, 150°F)

B	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Barium Carbonate*	A	A	X	I	TVBN
Barium Chloride*	A	A	X	I	TVBN
Barium Hydroxide*	A	A	X	X	TBNS
Barium Sulfate*	A	B	A	X	TVBS
Barium Sulfide*	A	A	X	X	TVBS
Benzal Chloride	I	B	X	I	T
Benzaldehyde	B	A	B	I	T
Benzene (Benzol)	B	A	A	A	TV
Benzine (Ligroin)	B	A	A	I	TVB
Benzine Solvent (Ligroin)	I	A	A	I	TVBS
Benzoic Acid	A	B	B	X	TVN
Benzoic Aldehyde	I	A	I	B	T
Benzotrichloride	X	I	I	I	T
Benzoyl Chloride	X	B	I	I	T
Benzyl Acetate	B	B	I	I	T
Benzyl Alcohol	A	A	B	I	TVS
Benzyl Chloride	I	A	X	X	TV
Bichromate of Soda*	A	I	I	I	T
Black Sulfate Liquor*	A	A	X	X	TVBN
Black Sulfate Liquor	X	A	X	X	T
Bleach	B	X	X	X	TV
Brine*	A	A	X	I	TVBNS
Bromine	X	X	X	X	TV
Bromo Benzene	X	I	I	I	TV
Bromo Toluene	X	I	I	I	T
Bromochloromethane	A	A	X	X	T
Bunker C.	B	A	I	I	TVB
Bunker Oil	B	A	I	I	TVB
Butanol	A	A	I	I	TBN
Butyl (Normal) Alcohol	A	A	I	I	TBN
Butyl (Secondary) Alcohol	A	A	I	I	TBN
Butyl Acetate	B	A	B	I	T
Butyl Acetoacetate	B	I	I	I	T
Butyl Acrylate	B	I	I	I	T
Butyl Alcohol	A	A	I	I	TBN
Butyl Aldehyde	B	X	A	X	T
Butyl Amine	B	A	A	I	T

Temperature at 100°F (*, 150°F)

B

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Butyl Benzene	B	I	I	I	TV
Butyl Benzl Phthalate	I	I	I	I	T
Butyl Bromide	B	I	I	I	T
Butyl Butyrate	I	I	I	I	TV
Butyl Carbitol	A	I	I	I	T
Butyl Cellosolve	A	A	A	X	T
Butyl Chloride	I	B	I	I	TV
Butyl Ether	A	A	I	I	T
Butyl Ethyl Acetaldehyde	B	I	I	I	T
Butyl Ethyl Ether	A	I	I	I	T
Butyl Phthalate	A	A	A	I	T
Butyl Stearate	B	A	A	A	TBS
Butylate	I	I	I	I	I
Butyraldehyde	B	X	A	X	T
Butyric Acid	A	A	B	I	T
Butyric Anhydride	I	I	I	I	T
Butyl Benzene	B	I	I	I	TV
Butyl Benzl Phthalate	I	I	I	I	T
Butyl Bromide	B	I	I	I	T
Butyl Butyrate	I	I	I	I	TV
Butyl Carbitol	A	I	I	I	T
Butyl Cellosolve	A	A	A	X	T
Butyl Chloride	I	B	I	I	TV
Butyl Ether	A	A	I	I	T
Butyl Ethyl Acetaldehyde	B	I	I	I	T
Butyl Ethyl Ether	A	I	I	I	T
Butyl Phthalate	A	A	A	I	T
Butyl Stearate	B	A	A	A	TBS
Butylate	I	I	I	I	I
Butyraldehyde	B	X	A	X	T
Butyric Acid	A	A	B	I	T
Butyric Anhydride	I	I	I	I	T

Temperature at 100°F (*, 150°F)

C

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Cadmium Acetate	A	I	I	I	T
Calcium Acetate	A	A	I	I	TB
Calcium Aluminate	A	I	I	I	TVB
Calcium Bichromate*	I	I	I	I	T
Calcium Bisulfate*	A	A	X	X	TVBN
Calcium Bisulfite*	A	A	X	X	TVBNS
Calcium Carbonate*	A	A	I	X	TVBNS
Calcium Chloride*	A	B	X	X	TVBNS
Calcium Hydroxide (Caustic Lime)	A	A	A	X	X
Calcium Hypochlorite	A	A	X	X	TV
Calcium Nitrate*	A	B	X	X	TVBN
Calcium Silicate*	A	I	A	I	TVBN
Calcium Sulfate*	A	A	I	I	TVBS
Calcium Sulfhydrate	A	I	I	I	TVB
Calcium Sulfide*	A	A	X	X	TVBN
Calcium Sulfite*	A	B	B	X	TVBNS
Caprylic Acid	A	B	I	X	T
Carbitol	A	B	A	X	T
Carbitol Acetate	A	I	I	I	T
Carbolic Acid, Phenol	B	A	B	A	T
Carbon Dioxide	A	A	B	I	TVBNS
Carbon Disulfide	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Carbon Tetrachloride	B	A	I	I	TV
Carbonic Acid	A	A	B	B	TVBS
Casinghead Gasoline	B	I	I	I	TVB
Caster Oil (Castor Oil)	A	A	A	I	
Caustic Potash*	A	A	X	X	T
Caustic Soda*	A	A	X	X	TNS
Cellosize	A	I	I	I	T
Cellosolve	A	A	A	X	T
Cellosolve Acetate	A	A	I	X	T
Chloracetic Acid	A	A	X	X	T
Chlorinated Solvents	I	B	X	A	TV
Chlorine (Dry) (Gas)	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Chlorine (Wet)	X	X	X	X	TV
Chloroacetone	I	A	X	X	T
Chlorobenzene	B	A	B	I	TV

Temperature at 100°F (*, 150°F)

C

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Chlorobenzol	B	A	B	I	TV
Chlorobutane	I	I	I	I	TV
Chloroethylbenzene	I	I	I	I	TV
Chloroform	B	A	B	I	TV
Chloropentane	I	A	X	I	TV
Chlorophenol	B	I	I	I	TV
Chloropropanone	I	I	I	I	T
Chlorosulfonic Acid	X	B	X	X	T
Chlorothene	I	A	I	I	TV
Chlorotoluene	I	A	I	I	TV
Chlorpyrifos	I	I	I	I	I
Chromic Acid 0,25	B	B	X	X	T
Coal Oil	A	A	X	A	TVB
Coal Tar	A	A	I	I	TVS
Coal Tar Naptha	A	A	A	I	T
Copper Chloride	A	X	X	X	TVBNS
Copper Hydrate	A	I	I	I	TB
Copper Hydroxide	A	I	I	I	TB
Copper Nitrate	A	A	X	X	TVBNS
Copper Nitrite	A	I	I	I	TVB
Copper Sulfate	A	A	X	X	TVBNS
Copper Sulfide	A	I	I	I	TVB
Creosols	B	A	I	X	TV
Creosote	B	A	I	I	TV
Cresylic Acid	I	A	B	X	TV
Crotonaldehyde	A	I	I	I	T
Crude Oil	B	A	A	I	TVB
Cumene	B	I	I	I	TV
Cupric Carbonate	A	I	I	I	TVBN
Cupric Chloride	A	B	X	I	TVBNS
Cupric Nitrate	A	B	I	I	TVBN
Cupric Nitrite	A	I	I	I	TVB
Cupric Sulfate	A	I	I	I	TVBNS
Cyclohexane	B	A	B	X	TV
Cyclohexanol	B	A	X	X	TVB
Cyclohexanone	B	A	I	I	T
Cyclopentane	B	I	I	I	TVN

Temperature at 100°F (*, 150°F)

C

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Chlorobenzol	B	A	B	I	TV
Chlorobutane	I	I	I	I	TV
Chloroethylbenzene	I	I	I	I	TV
Chloroform	B	A	B	I	TV
Chloropentane	I	A	X	I	TV
Chlorophenol	B	I	I	I	TV
Chloropropanone	I	I	I	I	T
Chlorosulfonic Acid	X	B	X	X	T
Chlorothene	I	A	I	I	TV
Chlorotoluene	I	A	I	I	TV
Chlorpyrifos	I	I	I	I	I
Chromic Acid 0,25	B	B	X	X	T
Coal Oil	A	A	X	A	TVB
Coal Tar	A	A	I	I	TVS
Coal Tar Naptha	A	A	A	I	T
Copper Chloride	A	X	X	X	TVBNS
Copper Hydrate	A	I	I	I	TB
Copper Hydroxide	A	I	I	I	TB
Copper Nitrate	A	A	X	X	TVBNS
Copper Nitrite	A	I	I	I	TVB
Copper Sulfate	A	A	X	X	TVBNS
Copper Sulfide	A	I	I	I	TVB
Creosols	B	A	I	X	TV
Creosote	B	A	I	I	TV
Cresylic Acid	I	A	B	X	TV
Crotonaldehyde	A	I	I	I	T
Crude Oil	B	A	A	I	TVB
Cumene	B	I	I	I	TV
Cupric Carbonate	A	I	I	I	TVBN
Cupric Chloride	A	B	X	I	TVBNS
Cupric Nitrate	A	B	I	I	TVBN
Cupric Nitrite	A	I	I	I	TVB
Cupric Sulfate	A	I	I	I	TVBNS
Cyclohexane	B	A	B	X	TV
Cyclohexanol	B	A	X	X	TVB
Cyclohexanone	B	A	I	I	T
Cyclopentane	B	I	I	I	TVN
Cyclopentane, methyl	B	I	I	I	TV
Cyclopentanol	A	I	I	I	TVB
Cyclopentanone	B	I	I	I	T

Temperature at 100°F (*, 150°F)

D	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
D.D.T. in Kerosene	B	I	I	A	TVB
D.M.P.	A	A	I	I	TV
Decalin®	X	I	I	I	TV
Decanol	A	I	I	I	TB
Decyl Alcohol	A	I	I	I	TB
Decyl Aldehyde	B	I	I	I	T
Decyl Butyl Phthalate	I	I	I	I	T
Denatured Alcohol	A	A	B	A	TB
Diacetone Alcohol	A	A	I	I	T
Diamyl Phenol	I	I	I	I	TV
Diamylamine	B	I	I	I	TB
Diamylene	B	I	I	I	TV
Dibenzyl Ether	B	A	A	X	T
Dibromobenzene	I	I	I	I	TV
Dibutyl Amine	A	I	I	I	T
Dibutyl Ether	A	A	A	X	T
Dibutyl Phthalate	A	A	A	I	TV
Dibutyl Sebacate	I	I	I	I	TVS
Dicalcium Phosphate	A	I	I	I	TVB
Dicamba	I	I	I	I	T
Dichloroacetic Acid	I	I	I	I	T
Dichlorobenzene	B	A	B	I	TV
Dichlorobutane	I	I	I	I	TV
Dichlorodifluoromethane	X	I	I	I	TVB
Dichloroethane	A	I	A	I	TV
Dichloroethyl Ether	B	I	I	I	T
Dichloroethylene	X	I	A	X	TV
Dichlorohexane	A	I	I	I	TV
Dichloropentane	B	I	I	I	TV
Dichloropropane	I	A	X	I	TV
Diesel Oil*	B	A	A	I	TVB
Diethanol Amine	A	A	I	I	T
Diethyl Benzene	B	I	I	I	TV
Diethyl Carbinol	A	I	I	I	TBN
Diethyl Ketone	B	I	I	I	T
Diethyl Oxalate	B	I	I	I	T
Diethyl Phthalate	B	I	I	I	T
Diethyl Sebacate	B	A	A	I	T
Diethyl Sulfate	A	X	I	I	TNS

Temperature at 100°F (*, 150°F)

D	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Diethyl Triamine	A	I	I	I	TB
Diethylamine	B	A	I	X	TB
Diethylene Dioxide	A	X	X	X	T
Diethylene Glycol	A	A	B	A	TVBN
Diethylene Triamine	A	I	I	X	T
Dihydroxydiethyl Ether	A	I	I	I	TVBN
Dihydroxyethyl Amine	A	I	I	I	TB
Diisobutyl Ketone	B	I	I	I	T
Diisobutylene	B	A	I	I	TVB
Diisooctyl Adipate	I	I	I	I	T
Diisooctyl Phthalate	I	I	I	I	T
Diisocyanate	B	I	I	I	T
Diisodecyl Adipate	I	I	I	I	T
Diisodecyl Phthalate	I	I	I	I	T
Diisopropanol Amine	B	I	I	I	TB
Diisopropyl Amine	B	I	I	I	TB
Diisopropyl Ether	B	A	I	I	TB
Diisopropyl Ketone	B	A	A	I	T
Dilauryl Ether	B	I	I	T	B
Dimethyl Amine	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Dimethyl Benzene	B	A	I	I	TV
Dimethyl Ether	B	I	I	I	TB
Dimethyl Ketone	A	A	A	I	T
Dimethyl Phenol	A	I	I	I	TV
Dimethyl Phthalate	A	A	I	I	TV
Dimethyl Sulfate	A	I	I	I	T
Dimethyl Carbinol	A	A	I	I	TBNS
Dinitrobenzene	B	I	I	I	TV
Diocetyl Adipate	I	I	I	I	T
Diocetyl Amine	B	I	I	I	T
Diocetyl Phthalate	A	A	I	I	TV
Diocetyl Sebacate	I	I	I	I	TV
Dioxane	A	A	I	I	T
Dioxolane	B	I	I	I	T
Diphenyl Phthalate	A	I	I	I	T
Dipropyl Ketone	A	I	I	I	T
Dipropylamine	A	I	I	I	T

Temperature at 100°F (*, 150°F)

D

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Dipropylene Glycol	A	I	I	I	TVB
Disodium Phosphate	A	A	I	B	TB
Divinyl Benzene	B	I	I	I	TV
Dodecyl Benzene	B	I	I	I	TV
Dodecyl Toluene	B	I	I	I	TV
Dow-Per	B	I	I	I	TV
Dowtherm® A	A	I	A	I	TV
Dowtherm® E	A	I	X	I	V
Dowtherm® SR-1	A	I	I	I	TVB

E

Endolene	I	I	I	I	I
Epichlorohydrin	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ethanol	A	A	B	A	TBN
Ethanol Amine	B	A	B	I	TB
Ethyl Acetate	A	A	A	A	T
Ethyl Acetoacetate	A	B	I	I	T
Ethyl Acrylate	B	A	A	A	T
Ethyl Alcohol	A	A	B	A	TVBNS
Ethyl Aldehyde	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ethyl Aluminum Dichloride	I	I	I	I	T
Ethyl Benzene	B	A	A	X	TV
Ethyl Butanol	A	I	I	I	TB
Ethyl Butyl Acetate	B	I	I	I	T
Ethyl Butyl Alcohol	A	I	I	I	T
Ethyl Butyl Amine	I	I	I	I	T
Ethyl Butyl Ketone	A	I	I	I	T
Ethyl Butyraldehyde	B	I	I	I	T
Ethyl Chloride	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ethyl Dichloride	B	I	I	I	TV
Ethyl Ether	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ethyl Formate	A	A	I	I	TV
Ethyl Hexanol	A	I	I	I	TBN
Ethyl Hexoic Acid	A	I	I	I	T
Ethyl Hexyl Acetate	B	I	I	I	T
Ethyl Hexyl Alcohol	A	I	I	I	TBN
Ethyl Iodide	B	I	I	I	TV
Ethyl Isobutyl Ether	B	I	I	I	T
Ethyl Methyl Ketone	A	A	A	A	T

E

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Ethyl Oxalate	B	I	I	I	TV
Ethyl Phthalate	I	I	I	I	T
Ethyl Propyl Ether	B	I	I	I	T
Ethyl Propyl Ketone	A	I	I	I	T
Ethyl Silicate	A	A	I	I	TBN
Ethyl Sulfate	A	X	I	I	TBS
Ethylamine	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ethylene Bromide	B	A	X	I	TV
Ethylene Chloride	B	A	B	I	TV
Ethylene Diamine	I	A	I	I	TB
Ethylene Dibromide	B	A	X	I	TV
Ethylene Dichloride	A	A	B	I	TV
Ethylene Glycol*	A	A	A	I	TVBNS
Ethylhexil Phosphorodieth	I	I	I	I	B
Ex-Tri	B	I	I	I	TV

F

Ferric Bromide*	A	I	I	I	TVB
Ferric Chloride*	A	X	X	X	TVBNS
Ferric Sulfate*	A	A	X	X	TVBN
Ferrous Acetate	A	I	I	I	T
Ferrous Chloride*	A	I	X	X	TB
Ferrous Hydroxide	A	B	I	I	TN
Ferrous Sulfate*	A	B	X	X	TVBN
Fluoboric Acid 0,65%*	A	I	I	X	T
Fluorine (wet)	X	X	X	X	T
Fluosilicic Acid 50%*	A	A	X	X	T
Formaldehyde 40%	A	A	B	I	TB
Formalin	A	A	B	I	TVB
Formic Acid	A	B	I	X	TV
Freon® 12	X	A	I	I	TN
Freon® 22	X	A	I	I	TN
Fuel A (ASTM)	B	A	A	A	TVB
Fuel B (ASTM)	B	I	I	I	TVB
Fuel Oil	B	A	A	I	TVB
Furfural	A	A	A	X	T
Furfuryl Alcohol	A	A	A	I	T

Temperature at 100°F (*, 150°F)

G

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Gallic Acid	B	B	I	I	TS
Gasoline	B	A	I	I	TVB
Glacial Acetic Acid	A	A	B	X	T
Gluconic Acid	A	X	X	A	T
Glycerin	A	A	A	A	TVBNS
Glyphosate	I	I	I	I	I
Graffinite	I	I	I	I	B
Grease	A	A	A	A	TVB
Green Sulfate Liquor*	A	A	X	X	TBS

H

Heptanal	I	I	I	I	TB
Heptane	B	A	A	I	TVB
Heptane Carboxylic Acid	A	I	I	I	T
Hexaldehyde	B	A	A	I	T
Hexane	B	A	A	A	TVB
Hexanol	A	A	I	I	TB
Hexyl Methyl Ketone	A	I	I	I	T
Hexylamine	B	I	I	I	T
Hexylene	I	I	I	I	TVB
Hexylene Glycol*	A	A	B	A	TVBN
Hexyl-Alcohol	A	A	I	I	TB
Hi-Tri	B	I	I	I	TV
Hydrobromic Acid -37%*	A	X	X	X	T
Hydrochloric Acid 38% concentrated, fuming acid	I	X	X	X	T
Hydrochloric Acid 37%	A	X	X	X	T
Hydrofluoric Acid 10%	A	A	X	X	T
Hydrofluosilicic Acid*	A	A	X	X	T
Hydrogen Dioxide 10%	I	A	B	X	T
Hydrogen Dioxide over 10%	I	I	I	X	
Hydrogen Peroxide 10% to 50%	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Hydrogen Peroxide over 50%	X	A	A	I	X

Temperature at 100°F (*, 150°F)

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Iodine	I	I	I	X	TVB
Iron Acetate	A	I	I	I	TNS
Iron Hydroxide	A	I	I	I	TN
Iron Salts*	A	I	I	I	TVBN
Iron Sulfate*	A	I	I	I	TVBN
Iron Sulfide*	A	I	I	I	TVB
Isoamyl Acetate	B	I	I	I	T
Isoamyl Alcohol	A	A	I	A	TBN
Isoamyl Bromide	I	I	I	I	TV
Isoamyl Butyrate	B	I	I	I	T
Isoamyl Chloride	B	I	I	I	TV
Isoamyl Ether	I	I	I	I	T
Isoamyl Phthalate	I	I	I	I	T
Isobutane	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Isobutanol	A	A	I	I	TBNS
Isobutyl Acetate	B	A	B	I	T
Isobutyl Alcohol	A	A	I	I	TNS
Isobutyl Aldehyde	B	I	I	I	T
Isobutyl Amine	B	I	I	I	T
Isobutyl Bromide	I	I	I	I	TV
Isobutyl Carbinol	A	A	I	A	TBN
Isobutyl Chloride	I	I	I	I	TV
Isobutyl Ether	I	I	I	I	TB
Isobutylene	B	I	I	I	TV
Isooctane	B	A	A	A	TVBS
Isopentane	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Isophorone	B	B	A	I	T
Isopropanol	A	A	I	I	TVBS
Isopropanol Amine	B	I	I	I	TB
Isopropyl Acetate	A	A	I	I	T
Isopropyl Alcohol	A	A	I	I	TBNS
Isopropyl Amine	B	I	I	I	T
Isopropyl Benzene	B	I	I	I	TV
Isopropyl Chloride	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Isopropyl Ether	B	A	I	I	TB
Isopropyl Toluene	I	I	I	I	TV

Temperature at 100°F (*, 150°F)

J

Modified
XLPE

Material fitting & gasket

316 SS Aluminium Brass Gasket

Jet fuels

SPECIAL HOSE REQUIRED

K

Kerosene	A	A	A	I	TVB
----------	---	---	---	---	-----

L

Lauryl Alcohol *	A	I	I	I	TB
Lead Acetate	A	A	X	X	T
Lead Sulfate	A	A	X	X	TVBN
Ligroin A	B	A	A	I	TVB
Linseed Oil	A	A	I	A	TVBNS
Liquefied Natural Gas (LNG)	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Liquefied Petroleum Gas (LPG)	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Lubricating Oils A	I	A	A	A	TV

M

MIBK	B	X	X	X	T
M.E.K.	B	X	X	X	T
Magnesium Acetate	A	I	I	I	T
Magnesium Chloride*	A	A	X	I	TVBS
Magnesium Hydrate*	A	A	X	I	TN
Magnesium Hydroxide*	A	A	X	I	TVBN
Magnesium Sulfate*	A	A	I	I	TVBNS
Maleic Acid	I	A	B	X	TV
Malic Acid*	I	A	B	X	TVBNS
Manganese Sulfate*	A	A	I	I	TVBN
Manganese Sulfide*	A	I	I	I	TVB
Manganese Sulfite*	A	I	I	I	TVB
Methanol	A	A	I	I	TB
Mesityl Oxide	B	A	I	I	T
Methallyl Alcohol	A	I	I	I	TB
Methyl (Wood) Alcohol	A	A	I	I	TVBNS
Methyl Acetate	A	A	I	I	T

Temperature at 100°F (*, 150°F)

M

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Methyl Acetoacetate	A	I	I	I	T
Methyl Acetone	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Methyl Amyl Acetate	B	I	I	I	T
Methyl Amyl Alcohol	A	I	I	I	TBN
Methyl Amyl Carbinol	A	I	I	I	T
Methyl Amyl Ketone	B	I	I	I	T
Methyl Benzene	B	A	A	A	TV
Methyl Butanol	A	A	I	A	TBN
Methyl Butanone	B	I	I	I	T
Methyl Butyl Ketone	B	A	B	I	T
Methyl Carbitol	A	I	I	I	T
Methyl Cellosolve	A	A	B	A	T
Methyl chloride	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Methyl Cyclohexane	I	I	I	I	TV
Methyl Ethyl Ketone (M.E.K.)	A	A	X	X	X
Methyl Hexanol	A	I	I	I	TVB
Methyl Hexanone	B	I	I	I	T
Methyl Hexyl Ketone	B	I	I	I	T
Methyl Isobutyl Carbinol	A	B	I	I	TBN
Methyl Isobutyl Ketone (MIBK)	B	X	X	X	
Methyl Isopropyl Ketone	B	A	I	I	T
Methyl Normal Amyl Ketone	B	I	I	I	
Methyl Propyl Carbinol	A	I	I	I	T
Methyl Propyl Ether	B	I	I	I	T
Methyl Propyl Ketone	B	I	I	I	T
Methyl Tertiary Butyl Ether (MTBE) 1 Concentratel	B	I	I	I	I
Methylallyl Acetate	A	I	I	I	T
Methylallyl Chloride	I	I	I	I	T
Methyldiethanolamine	A	I	I	I	TB
Methylene Bromide	A	I	I	I	TV
Methylene	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Metribuzin	I	I	I	I	T
Mineral Spirits	B	A	A	I	TB
Monochloroacetic Acid	A	A	X	X	T
Monochlorobenzene	B	A	B	B	TV
Monochlorodifluoromethane	I	A	I	I	TN
Monoethanol Amine	B	A	B	I	TN
Methylene Chloride	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Monoisopropanol Amine	B	I	I	I	TB
Muriatic Acid	A	X	X	X	T

Temperature at 100°F (*, 150°F)

N

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Naphtha	A	A	A	I	TVBN
Naphthalene	I	A	B	I	TV
Natural Gas	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Neohexane	B	A	A	I	TVB
Neu-Tri	B	I	I	I	TV
Nickel Chloride*	A	B	X	X	TVBS
Nickel Nitrate*	A	B	X	X	TVBN
Nickel Sulfate*	A	A	X	X	TVBNS
Nitric Acid 25%	A	A	X	X	T
Nitric Acid 37%	A	A	X	X	T
Nitric Acid 40%-60%	B	A	X	X	T
Nitric Acid 70%	B	B	X	X	T
Nitro Benzene	B	A	B	X	T
Nitrogen Gas	A	A	I	I	TVBNS
Nitrous Oxide	A	A	I	X	TVBNS
Nonenes	B	I	I	I	VB

O

Octadecanoic Acid	A	A	B	A	TB
Octane	B	B	I	B	TVB
Octanol	A	A	I	I	TBN
Octyl Acetate	B	I	I	I	T
Octyl Alcohol	A	A	I	I	TB
Octyl Aldehyde	I	I	I	I	T
Octyl Amine	B	I	I	I	T
Octyl Carbinol	A	I	I	I	TB
Octylene Glycol	A	I	I	I	TVB
Oil Petroleum	B	A	A	X	TVB
Oleic Acid	B	A	B	X	TB
Oleum	X	I	X	X	TV
Organic Fatty Acids	B	A	I	I	T
Orthodichlorobenzene	B	I	I	I	TV
Orthodichlorobenzol	I	I	I	I	TV
Orthoxylene	B	I	I	I	TV
Oxalic Acid	B	A	B	X	TS
Oxygen	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Ozone	B	I	I	I	TS

Temperature at 100°F (*, 150°F)

P

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Palmitic Acid	B	A	I	X	TBS
Papermakers Alum*	A	I	I	I	TVBN
Paradichlorobenzol	I	I	I	I	TV
Paraffin*	I	A	A	A	TVB
Paraldehyde	B	A	A	I	T
Paraxylene	B	I	I	I	TV
Pelargonic Acid	I	I	I	I	TB
Pentachloroethane	I	A	B	X	TV
Pentane	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Pentanol	A	I	I	I	TBN
Pentanone	B	I	I	I	T
Perchloroethylene	B	A	B	X	TV
Petroleum Ether (Ligroin)	B	A	A	I	TVB
Petroleum - Crude	B	A	A	X	TVB
Petroleum Oils	B	A	A	X	TVB
Phenol 125	B	A	B	B	TV
Phenolsulfonic Acid	B	B	I	I	T
Phenyl Chloride	B	A	B	I	TV
Phosphoric Acid 10%*	A	A	X	X	TVBN
Phosphoric Acid 10-85%	A	A	X	I	TVN
Pine Oil	B	A	I	X	TV
Pinene	B	B	I	I	TV
Polyethylene Glycol*	A	I	I	I	TVBN
Polypropylene Glycol*	A	I	I	I	TVB
Potassium Acetate	A	A	X	X	TB
Potassium Bisulfate*	A	A	I	X	TVBN
Potassium Bisulfite*	A	I	I	I	TVBN
Potassium Carbonate *	A	A	X	X	TVBNS
Potassium Chloride*	A	A	X	X	TVBNS
Potassium Chromate*	B	B	I	I	TVBN
Potassium Dichromate*	B	A	B	X	TVBNS
Potassium Hydrate*	A	A	X	I	TS
Potassium Hydroxide*	A	A	X	X	TN
Potassium Nitrate*	A	A	B	A	TVBNS
Potassium Permanganate	A	A	I	I	TVS
Potassium Silicate*	A	A	I	I	TVBNS
Potassium Sulfate*	A	A	B	A	TVBNS
Potassium Sulfide*	A	A	X	X	TVBNS

Temperature at 100°F (*, 150°F)

P

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Potassium Sulfite*	A	A	I	X	TVBNS
Propanediol	A	I	I	I	TVBS
Propane	X	X	X		
Propanol	A	A	I	I	TVB
Propyl Acetate	B	A	I	I	T
Propyl Alcohol	A	A	I	I	TB
Propyl Aldehyde	B	I	I	I	T
Propyl Chloride	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Propylene Diamine	I	I	I	I	TB
Propylene Dichloride	I	A	X	I	TV
Propylene Glycol	A	A	I	I	TVBS
Propylene Tetramer	B	I	I	I	B

S

Sea Water	A	A	I	X	TVBNS
Sewage	A	A	X	I	TBNS
Silicate of Soda	A	A	X	X	TVBNS
Soap	I	A	X	X	TBNS
Soda Ash	A	A	X	I	TVBNS
Soda, Caustic	A	A	X	X	TNS
Soda, Lime	A	I	I	I	TVB
Soda, Niter	A	A	B	I	TVB
Sodium Acetate	B	A	I	A	TNS
Sodium Aluminate	A	A	I	I	TVBN
Sodium Bisulfate*	A	A	X	X	TVBNS
Sodium Bisulfite*	A	A	X	X	TVBNS
Sodium Carbonate*	A	A	X	I	TVBNS
Sodium Chloride (Brine)*	A	A	X	I	TVBNS
Sodium Chromate*	I	A	A	A	TVBN
Sodium Dichromate*	A	A	I	X	T
Sodium Hydrate*	A	B	X	X	TN
Sodium Hydrosulfide	I	I	B	I	TB
Sodium Hydroxide -50%*	A	A	X	X	TBN
Sodium Hypochlorite	B	X	X	X	TVS
Sodium Nitrate*	A	A	B	I	TVBNS
Sodium Silicate*	A	A	X	X	TVBNS

Temperature at 100°F (*, 150°F)

S

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Sodium Sulfate*	A	A	B	X	TVBNS
Sodium Sulfide*	A	A	X	X	TVBN
Sodium Sulfite*	A	A	I	I	TVBNS
Sodium Sulphydrate	B	I	I	I	TB
Sodium Thiosulfate*	A	A	I	X	TVBNS
Stannic Chloride *	A	X	X	X	TB
Stannic Sulfide*	A	I	I	I	TBN
Stannous Chloride*	A	A	X	X	TB
Stannous Sulfide *	A	I	I	I	TB
Stearic Acid	A	A	B	A	TVB
Stoddard Solvent	B	A	A	I	TVB
Styrene	I	A	I	I	TV
Sulfamic Acid (>10%)	I	I	I	I	TVN
Sulfonic Acid	I	I	I	I	TVN
Sulfur Dioxide (Liquid)	I	A	I	I	T
Sulfuric Acid 25%*	A	I	X	X	TVN
Sulfuric Acid 93%	A	I	X	X	T
Sulfuric Acid 93-98%	B	I	X	X	T
Sulfurous Acid 10%*	A	I	X	X	T
Sulfurous Acid 10-75%	A	I	X	X	T
Sulphonate	I	I	I	I	B

T

Tall Oil	I	A	X	X	TVB
Tallow*	I	A	I	A	TBNS
Tannic Acid*	I	A	X	I	TVBN
Tar	NO HOSE RECOMMENDED FOR THIS APPLICATION				
Tartaric Acid*	A	A	I	A	TBN
Tergitol	I	I	I	I	T
Tertiary Butyl Alcohol	A	I	I	I	T
Tetrachlorobenzene	I	I	I	I	T
Tetrachloroethane	I	A	X	X	TV
Tetrachloroethylene	B	A	B	X	TV
Tetrachloromethane	B	A	I	I	TV
Tetrachloronaphthalene	I	I	I	I	T
Tetradecanol	A	I	I	I	TB

Temperature at 100°F (*, 150°F)

T	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Tetraethylene Glycol*	A	I	I	I	TVB
Tetraethylene Lead	I	I	I	I	TV
Tetrahydrofuran	X	A	B	X	T
THF	X	A	B	X	T
Thionyl Chloride	X	X	X	X	T
Tin Chloride	A	X	X	X	TVB
Tin Tetrachloride*	A	X	X	X	TB
Titanium Tetrachloride	B	B	X	X	TV
Toluene	B	A	A	A	TV
Toluidine	I	I	I	I	T
Toluol	B	A	A	A	TV
Transformer Oil	I	A	I	I	T
Transmission Oil "A"*	I	A	A	A	TVB
Tributoxy Ethylsulphate	I	I	I	I	V
Tributyl Amine	A	I	I	I	T
Tributyl Phosphate	I	A	I	X	T
Trichlorobenzene	I	I	A	I	T
Trichloroethane	B	A	I	I	TV
Trichloroethylene	B	A	I	I	TV
Trichloropropane	I	A	X	I	TV
Tricresylphosphate	I	A	X	I	TV
Tridecanol	A	I	I	I	TB
Triethanolamine	A	A	I	X	TB
Triethylamine	A	A	I	I	TVBN
Triethylene Glycol*	A	A	A	I	TB
Trifluralin (Trefalin)	I	I	I	I	TV
Triphenyl Phosphate	I	A	I	I	T
Tripolyphosphate	I	I	I	I	T
Trisodium Phosphate*	A	A	X	I	TVBNS
Turpentine	X	A	A	A	TVB

Temperature at 100°F (*, 150°F)

U

	Modified XLPE	Material fitting & gasket			
		316 SS	Aluminium	Brass	Gasket
Urea	A	A	B	I	TVBN
Undecanol	A	I	I	I	TB

V

V.M. & P. Naptha	I	I	I	I	
Vinyl Acetate	B	A	I	X	TV
Vinyl Benzene	I	A	I	I	TV
Vinyl Toluene	I	I	I	I	TV
Vinyl Trichloride	B	A	I	I	TV

W

Water*	A	A	I	I	TVBNS
Wax	X	A	I	I	TVBN
White Oil	I	I	I	I	TVB
Wood Alcohol	A	A	I	I	TBNS

X

Xylene (Xylol)	B	A	I	I	TV
Xylidine	B	B	A	I	T

Z

Zinc Carbonate*	A	B	B	X	TVBN
Zinc Chloride*	A	A	X	X	TVBNS
Zinc Chromate*	I	I	I	I	T
Zinc Phosphate	I	I	I	I	TBNS
Zinc Sulfate*	A	A	X	X	TVBNS

Temperature at 100°F (*, 150°F)