

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service      **B** = May be used for Intermittent Service  
**I** = Insufficient data, contact customer service      **X** = Do not use

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
<b>A</b>					
Acetaldehyde	70°	X	X	I	X
Acetic Acid, Conc.	70°	X	B	I	I
Acetic Acid, Dilute 10	70°	B	A	I	I
Acetic Acid, Glacial	70°	X	B	I	X
Acetic Aldehyde	70°	I	X	I	X
Acetic Anhydride	70°	X	X	X	X
Acetic Ester	70°	X	X	X	B
Acetic Ether	70°	X	X	X	I
Acetone	70°	X	X	X	B
Acetone Cyanohydrin	70°	X	X	X	I
Acetyl Acetone	70°	X	X	X	I
Acetyl Chloride	70°	X	I	X	X
Acetylene Dichloride	70°	I	X	I	X
Acetylene Tetrachloride	70°	I	X	I	I
Acrylonitrile	70°	A	A	B	I
Allyl Alcohol	70°	X	X	X	X
Allyl Bromide	70°	X	X	X	I
Allyl Chloride	70°	X	X	X	I
Aluminum	70°	A	A	A	B
Aluminum Acetate	70°	I	I	I	I
Aluminum Chloride	70°	A	A	A	B
Aluminum Hydroxide	70°	A	A	A	I
Aluminum Sulfate	70°	A	A	A	B
Ammonia Cupric Sulfate	70°	I	X	I	I
Ammonia Water	70°	A	A	A	A
Ammonium Chloride	70°	A	A	A	B
Ammonium Hydroxide	70°	B	B	I	B
Ammonium Nitrate	70°	A	A	A	I
Ammonium Phosphate	70°	I	I	I	B
Ammonium Sulfate	70°	A	A	A	B
Ammonium Sulfide	70°	A	A	A	I
Ammonium Sulfite	70°	A	A	A	I
Ammonium Thiosulfate	70°	A	A	A	I
Amyl Acetate	70°	X	X	X	X
Amyl Alcohol	70°	B	B	I	X
Amyl Chloride	70°	X	X	X	X
Amyl Phenol	70°	I	X	X	I
Amyl Phthalate	70°	I	X	I	I
Aniline Oils	70°	X	X	X	I

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Animal Grease	70°	A	A	A	I
Animal Oils	70°	A	A	A	X
Aqua Ammonia	70°	I	B	B	I
Aromatic Tar	70°	X	X	X	I
Arsenic Acid	70°	A	A	A	I
Arsenic Chloride	70°	A	A	I	I
Arsenic Trichloride	70°	A	A	I	I
Asphalt	70°	X	X	X	X
ASTM #1 Oil	70°	A	A	A	X
ASTM #2 Oil	70°	A	A	I	X
ASTM #3 Oil	70°	A	A	B	X
<b>B</b>					
Barium Carbonate	70°	A	A	A	I
Barium Chloride	70°	A	A	A	I
Barium Hydroxide	70°	A	A	A	I
Barium Sulfate	70°	A	A	A	I
Barium Sulfide	70°	A	A	A	I
Benzyl Chloride	70°	I	X	I	I
Benzaldehyde	70°	X	X	X	X
Benzene (Benzol)	70°	X	X	X	X
Benzine (Ligroin)	70°	X	X	X	X
Benzine Solvent (Ligroin)	70°	X	X	X	X
Benzoic Acid	70°	B	A	A	B
Benzoic Aldehyde	70°	I	X	I	I
Benzotrichloride	70°	I	X	I	I
Benzoyl Chloride	70°	I	X	I	I
Benzyl Acetate	70°	I	X	I	I
Benzyl Chloride	70°	I	X	I	I
Bichromate of Soda	70°	I	A	I	I
Black Sulfate Liquor	70°	A	A	A	I
Bleach	70°	A	A	A	B
Brine	70°	A	A	A	B
Bromine	70°	X	X	X	X
Bromo Benzene	70°	I	X	I	X
Bromo Toluene	70°	I	X	I	I
Bromochloromethane	70°	I	X	I	X
Butanol	70°	I	X	I	B
Butyl (Normal) Alcohol	70°	I	X	X	B
Butyl (Secondary) Alcohol	70°	I	X	X	B
Butyl Acetate	70°	X	X	I	X

**Air & Multipurpose**  
 General Purpose  
 Heavy Duty  
 Push-on

Chemical Transfer

Cleaning Equipment

**Food & Beverage**  
 Transfer

Food Washdown

Marine

**Material Handling**  
 Abrasives  
 Bulk Transfer  
 Cement & Concrete

Mining

**Petroleum**  
 Aircraft Fueling  
 Dispensing  
 Dock  
 Rig Supply  
 Transfer Discharge  
 Transfer S&D

Specialty

Steam

Vacuum

**Water**  
 Discharge  
 Suction & Discharge  
 Washdown  
 Garden

Welding

Coupling Systems

Equipment

Appendix

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service

**B** = May be used for Intermittent Service

**I** = Insufficient data, contact customer service

**X** = Do not use

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Butyl Acetoacetate	70°	I	X	I	I
Butyl Acrylate	70°	I	X	I	I
Butyl Alcohol	70°	A	A	A	B
Butyl Benzene	70°	I	X	I	I
Butyl Benzl Phthalate	70°	I	X	I	I
Butyl Bromide	70°	I	X	I	I
Butyl Butyrate	70°	I	X	I	I
Butyl Chloride	70°	I	X	I	I
Butyl Phthalate	70°	I	X	I	X
Butyric Acid	70°	I	X	B	I
<b>C</b>					
Cadmium Acetate	70°	I	A	I	I
Calcium Acetate	70°	I	A	I	I
Calcium Aluminate	70°	I	A	I	I
Calcium Bichromate	70°	I	A	I	I
Calcium Bisulfate	70°	I	A	B	I
Calcium Bisulfite	70°	A	A	A	I
Calcium Carbonate	70°	A	A	A	I
Calcium Chloride	70°	A	A	A	I
Calcium Hydroxide (Caustic Lime)	70°	A	A	A	I
Calcium Hypochlorite	70°	A	A	I	I
Calcium Nitrate	70°	A	A	I	I
Calcium Silicate	70°	A	A	I	I
Calcium Sulfate	70°	A	A	A	I
Calcium Sulfide	70°	A	A	I	I
Calcium Sulfite	70°	A	A	I	I
Carbolic Acid, Phenol	70°	X	X	X	X
Carbon Dioxide	70°	A	A	A	B
Carbon Disulfide	70°	X	X	X	X
Carbon Monoxide	70°	A	A	A	B
Carbon Tetrachloride	70°	X	X	X	X
Carbonic Acid	70°	I	A	A	I
Casinghead Gasoline	70°	I	X	X	X
Caster Oil (Castor Oil)	70°	A	A	A	I
Caustic Potash	70°	A	A	A	A
Caustic Soda	70°	A	A	A	B
Chlorinated Solvents	70°	I	X	I	I
Chlorine (Dry)	70°	A	A	A	B
Chlorine (Wet)	70°	B	X	I	B
Chloroacetone	70°	I	X	I	I

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Chlorobenzene	70°	X	X	X	X
Chlorobutane	70°	I	X	I	I
Chloroethylbenzene	70°	I	X	I	I
Chloroform	70°	X	X	X	X
Chloropentane	70°	I	X	I	X
Chlorophenol	70°	I	X	I	I
Chloropropanone	70°	I	X	I	I
Chlorosulfonic Acid	70°	I	B	I	X
Chlorothene	70°	I	X	I	X
Chlorotoluene	70°	X	X	X	X
Chromic Acid	70°	B	B	B	B
Copper Chloride	70°	A	A	A	B
Copper Hydrate	70°	I	A	I	I
Copper Hydroxide	70°	I	A	I	I
Copper Nitrate	70°	A	A	A	I
Copper Nitrite	70°	A	A	A	I
Copper Sulfate	70°	A	A	A	I
Copper Sulfide	70°	B	A	B	I
Creosol	70°	X	X	X	X
Creosote	70°	X	X	X	X
Crude Oil	70°	B	A	B	X
Cupric Carbonate	70°	I	A	I	I
Cupric Chloride	70°	A	A	I	I
Cupric Nitrate	70°	A	A	I	I
Cupric Nitrite	70°	A	A	I	I
Cupric Sulfate	70°	A	A	A	I
Cyclohexane	70°	X	X	X	X
Cyclohexanol	70°	X	X	X	X
Cyclohexanone	70°	X	X	X	X
Cyclopentane, Methyl	70°	I	A	I	I
Cyclopentanol	70°	I	A	I	I
Cyclopentanone	70°	I	A	I	I
<b>D</b>					
D.D.T.	70°	I	A	I	I
D.D.T. in Kerosene	70°	X	X	X	X
Decalin	70°	I	B	I	I
Decanol	70°	I	B	I	I
Decyl Alcohol	70°	I	A	I	I
Decyl Butyl Phthalate	70°	X	X	X	X
Denatured Alcohol	70°	I	A	B	I



# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service      **B** = May be used for Intermittent Service  
**I** = Insufficient data, contact customer service      **X** = Do not use

Thermoplastic Hose					
	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Diacetone Alcohol	70°	B	A	B	B
Diamyl Phenol	70°	X	X	X	X
Dibromobenzene	70°	I	X	I	I
Dibutyl Amine	70°	I	X	I	I
Dibutyl Phthalate	70°	X	X	X	X
Dibutyl Sebacate	70°	I	X	I	I
Dicalcium Phosphate	70°	B	A	B	I
Dichlorobenzene	70°	X	X	X	X
Dichlorobutane	70°	I	X	I	I
Dichlorodiboromethane	70°	X	X	X	X
Dichloroethane	70°	I	X	I	I
Dichloroethyl Ether	70°	I	X	I	X
Dichloroethylene	70°	I	X	I	X
Dichlorohexane	70°	I	X	I	X
Dichloromethane	70°	I	X	I	X
Dichloropentane	70°	I	X	I	X
Dichloropropane	70°	I	X	I	X
Diesel Oil	70°	I	B	X	X
Diethylamine	70°	I	I	I	I
Diethyl Benzene	70°	I	X	I	X
Diethyl Ketone	70°	I	X	I	I
Diethyl Oxalate	70°	I	X	I	I
Diethyl Phthalate	70°	I	X	I	I
Diethyl Sebacate	70°	I	X	I	I
Diethylene Glycol	70°	I	B	I	I
Diisobutyl Ketone	70°	I	X	I	I
Diisooctyl Adipate	70°	I	X	I	I
Diisooctyl Phthalate	70°	I	X	I	I
Diisodecyl Adipate	70°	I	X	I	I
Diisopropyl Amine	70°	I	X	I	I
Diisopropyl Ketone	70°	I	X	I	I
Dimethyl Amine	70°	I	X	I	I
Dimethyl Benzene	70°	I	X	I	I
Dimethyl Ketone	70°	I	X	I	I
Dimethyl Phthalate	70°	I	X	I	I
Dinitrobenzene	70°	I	X	I	I
Diocetyl Adipate	70°	I	X	I	I
Diocetyl Phthalate	70°	X	X	X	X
Diocetyl Sebacate	70°	I	X	I	I

Thermoplastic Hose					
	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Diphenyl Phthalate	70°	I	X	I	I
Dipropyl Ketone	70°	I	X	I	I
Disodium Phosphate	70°	A	A	A	B
Divinyl Benzene	70°	I	X	I	I
Dodecyl Benzene	70°	I	X	I	I
<b>E</b>					
Ethanol	70°	A	A	A	A
Ethanol Amine	70°	B	A	B	I
Ethyl Acetate	70°	X	X	X	B
Ethyl Acetoacetate	70°	I	X	I	I
Ethyl Acrylate	70°	x	X	X	I
Ethyl Alcohol	70°	A	A	A	A
Ethyl Benzene	70°	I	X	I	X
Ethyl Butanol	70°	I	A	I	I
Ethyl Butyl Acetate	70°	I	X	I	I
Ethyl Butyl Alcohol	70°	I	A	I	I
Ethyl Butyl Ketone	70°	I	X	I	I
Ethyl Chloride	---	X	X	X	X
Ethyl Dichloride	70°	X	X	X	X
Ethyl Ether	---	X	X	X	X
Ethyl Formate	70°	I	X	I	I
Ethyl Hexyl Acetate	70°	I	X	I	I
Ethyl Hexyl Alcohol	70°	I	A	I	I
Ethyl Iodide	70°	x	X	X	X
Ethyl Isobutyl Ether	70°	I	X	I	I
Ethyl Methyl Ketone	70°	X	X	X	X
Ethyl Oxalate	70°	I	X	I	I
Ethyl Phthalate	70°	I	X	I	I
Ethyl Propyl Ether	70°	I	X	I	I
Ethyl Propyl Ketone	70°	X	X	X	I
Ethylene Bromide	70°	X	X	X	X
Ethylene Chloride	70°	X	X	X	X
Ethylene Dibromide	70°	X	X	X	X
Ethylene Dichloride	70°	X	X	X	X
Ethylene Glycol	70°	A	A	A	A
<b>F</b>					
Ferric Bromide	70°	A	A	A	B
Ferric Chloride	70°	A	A	A	A
Ferric Sulfate	70°	A	A	A	A

**Air & Multipurpose**  
 General Purpose  
 Heavy Duty  
 Push-on

Chemical Transfer

Cleaning Equipment

**Food & Beverage**  
 Transfer

Food Washdown

Marine

**Material Handling**  
 Abrasives  
 Bulk Transfer  
 Cement & Concrete

Mining

**Petroleum**  
 Aircraft Fueling  
 Dispensing  
 Dock  
 Rig Supply  
 Transfer Discharge  
 Transfer S&D

Specialty

Steam

Vacuum

**Water**  
 Discharge  
 Suction & Discharge  
 Washdown  
 Garden

Welding

Coupling Systems

Equipment

Appendix

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service

**B** = May be used for Intermittent Service

**I** = Insufficient data, contact customer service

**X** = Do not use

### Air & Multipurpose

General Purpose  
Heavy Duty  
Push-on

### Chemical Transfer

### Cleaning Equipment

### Food & Beverage Transfer

### Food Washdown

### Marine

### Material Handling

Abrasives  
Bulk Transfer  
Cement & Concrete

### Mining

### Petroleum

Aircraft Fueling  
Dispensing  
Dock  
Rig Supply  
Transfer Discharge  
Transfer S&D

### Specialty

### Steam

### Vacuum

### Water

Discharge  
Suction & Discharge

### Washdown

### Garden

### Welding

### Coupling Systems

### Equipment

## Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Ferrous Acetate	70*	A	A	A	I
Ferrous Chloride	70*	A	A	A	B
Ferrous Hydroxide	70*	I	A	A	I
Ferrous Sulfate	70*	A	A	A	A
Fluorine	70*	X	X	X	X
Fluosilicic Acid	70*	A	A	A	B
Formaldehyde	70*	X	X	B	A
Formalin	70*	I	I	A	A
Formic Acid (less than 50%)	70*	B	B	A	A
Formic Acid (more than 50%)	70*	B	X	X	B
Freon* 12	70*	B	B	B	X
Freon* 22	70*	X	X	X	X
Fuel A (ASTM)	70*	A	B	B	I
Fuel B (ASTM)	70*	A	B	X	X
Fuel Oil	70*	A	B	B	X
Furfural	70*	X	X	X	X
<b>G</b>					
Gasoline	70*	X	X	X	X
Glacial Acetic Acid	70*	X	B	I	I
Glycerin	70*	A	A	A	B
Grease	70*	A	A	A	B
<b>H</b>					
Heptane	70*	A	A	X	X
Hexane	70*	A	A	B	X
Hexanol	70*	B	A	B	B
Hexyl Methyl Ketone	70*	I	X	I	I
Hexylene Glycol	70*	I	B	I	I
Hexyl-Alcohol	70*	I	A	I	I
Hydrobromic Acid	70*	A	A	B	B
Hydrochloric Acid	70*	A	B	A	A
Hydrofluoric Acid	70*	A	B	A	B
Hydrofluosilicic Acid	70*	B	B	I	I
Hydrogen Dioxide 10%	70*	I	A	A	I
Hydrogen Dioxide (over 10%)	70*	I	A	A	I
Hydrogen Gas	70*	X	X	X	B
Hydrogen Peroxide 10%	70*	A	A	A	B
Hydrogen Peroxide (over 10%)	70*	A	A	A	B

## Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
<b>I</b>					
Iodine	70*	X	X	X	X
Iron Acetate	70*	I	A	I	I
Iron Hydroxide	70*	I	A	A	I
Iron Salts	70*	I	A	A	B
Iron Sulfate	70*	I	A	A	A
Iron Sulfide	70*	I	A	I	I
Isoamyl Acetate	70*	I	X	I	I
Isoamyl Alcohol	70*	I	A	I	I
Isoamyl Bromide	70*	X	X	X	I
Isoamyl Butyrate	70*	I	X	I	I
Isoamyl Chloride	70*	I	X	I	I
Isoamyl Ether	70*	I	X	I	I
Isoamyl Phthalate	70*	I	X	I	I
Isobutanol	70*	I	A	I	A
Isobutyl Acetate	70*	I	X	I	I
Isobutyl Alcohol	70*	I	A	I	A
Isooctane	70*	I	B	X	I
Isopentane	---	I	B	I	I
Isopropanol	70*	I	A	I	A
Isopropyl Acetate	70*	X	X	X	I
Isopropyl Alcohol	70*	A	A	B	B
Isopropyl Benzene	70*	I	X	I	X
Isopropyl Chloride	---	I	X	I	I
<b>J</b>					
Jet Fuels	---	X	X	X	X
<b>K</b>					
Kerosene	70*	X	B	X	X
Ketones	70*	X	X	X	X
<b>L</b>					
Lead Acetate	70*	A	A	A	B
Lead Sulfate	70*	I	X	I	I
Linseed Oil	70*	A	A	A	X
Lubricating Oils	70*	A	B	B	I
<b>M</b>					
MIBK	70*	I	X	I	X
M.E.K.	70*	X	X	B	X
Magnesium Acetate	70*	I	A	I	I
Magnesium Chloride	70*	A	A	A	A

\* Freon\* is a registered trademark of E.I. du Pont de Nemours and Company.

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service      **B** = May be used for Intermittent Service  
**I** = Insufficient data, contact customer service      **X** = Do not use

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Magnesium Hydrate	70°	I	A	A	B
Magnesium Hydroxide	70°	A	A	A	A
Magnesium Sulfate	70°	A	A	A	A
Malic Acid	70°	B	A	B	B
Manganese Sulfate	70°	I	A	I	I
Manganese Sulfide	70°	I	A	I	I
Manganese Sulfite	70°	I	A	I	I
Methanol	70°	A	A	A	A
Methyl Alcohol	70°	I	A	I	I
Methyl (Wood) Alcohol	70°	B	B	A	A
Methyl Acetate	70°	X	X	X	X
Methyl Acetoacetate	70°	I	X	I	I
Methyl Acetone	70°	I	X	I	X
Methyl Amyl Acetate	70°	X	X	X	X
Methyl Amyl Alcohol	70°	I	A	I	I
Methyl Amyl Ketone	70°	I	X	A	I
Methyl Benzene	70°	I	X	I	X
Methyl Butanol	70°	I	B	I	X
Methyl Butyl Ketone	70°	I	X	I	I
Methyl Cellosolve	70°	I	B	I	I
Methyl Chloride	---	X	X	X	X
Methyl Ethyl Ketone	70°	X	X	X	X
Methyl Hexyl Ketone	70°	X	X	X	X
Methyl Isobutyl Ketone	70°	X	X	X	X
Methyl Isopropyl Ketone	70°	X	X	X	X
Methyl (Normal) Amyl Ketone	70°	X	X	X	X
Methylallyl Chloride	70°	X	X	X	X
Methyl Propyl Ether	70°	I	I	A	I
Methyl Propyl Ketone	70°	I	X	I	I
Methylallyl Acetate	70°	I	X	I	I
Methylene Bromide	70°	X	X	X	I
Methylene Chloride	---	X	X	X	X
Mineral Spirits	70°	I	B	I	I
Monochlorobenzene	70°	X	X	X	X
Monochlorodifluoromethane	70°	I	X	I	I
Muriatic Acid	70°	I	B	A	B
<b>N</b>					
Naphtha	70°	B	B	B	X
Naphthalene	70°	B	X	B	X

### Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Natural Gas	No Hose is recommended for this service				
Nickel Chloride	70°	A	A	A	B
Nickel Nitrate	70°	A	A	A	B
Nickel Sulfate	70°	A	A	A	A
Nitric Acid 10%	70°	A	A	A	B
Nitric Acid 20%	70°	A	B	A	B
Nitric Acid 30%	70°	B	B	A	B
Nitric Acid 30-70%	70°	X	X	X	X
Nitro Benzene	70°	X	X	X	X
Nitrogen Gas	70°	A	A	A	A
Nitrous Oxide	70°	A	A	A	B
<b>O</b>					
Octanol	70°	I	A	I	B
Octyl Acetate	70°	I	X	I	I
Oil Petroleum	70°	A	B	A	I
Oleic Acid	70°	B	B	B	B
Oleum	70°	X	X	X	X
Orthodichlorobenzene	70°	I	X	I	I
Orthodichlorobenzol	70°	I	X	I	I
Oxalic Acid	70°	A	A	A	A
Oxygen	No Hose is recommended for this service				
Ozone	70°	B	B	B	B
<b>P</b>					
Palmitic Acid	70°	B	B	B	B
Papermakers Alum	70°	I	A	I	I
Paradichlorobenzol	70°	I	X	I	I
Paraffin	70°	B	A	B	I
Pentachloroethane	70°	I	I	X	I
Pentane	70°	B	B	I	X
Pentanol	70°	I	A	I	I
Perchloroethylene	70°	X	X	X	X
Petroleum Ether (Ligroin)	70°	A	B	I	X
Petroleum, Crude	70°	A	B	X	X
Petroleum Oils	70°	A	B	X	X
Phenol	70°	X	X	X	X
Phenosulfonic Acid	70°	I	X	I	I
Phenyl Chloride	70°	I	I	X	X
Phosphoric Acid 10%	70°	A	A	A	A
Phosphoric Acid 10%-85%	70°	B	B	A	B

**Air & Multipurpose**  
 General Purpose  
 Heavy Duty  
 Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage Transfer

Food Washdown

Marine

**Material Handling**

Abrasives

Bulk Transfer

Cement & Concrete

Mining

**Petroleum**

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

**Water**

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service

**B** = May be used for Intermittent Service

**I** = Insufficient data, contact customer service

**X** = Do not use

## Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Polyethylene Glycol	70°	B	B	A	B
Polypropylene Glycol	70°	B	B	A	B
Potassium Acetate	70°	I	A	A	B
Potassium Bisulfate	70°	A	A	A	B
Potassium Bisulfite	70°	A	A	A	B
Potassium Carbonate	70°	A	A	A	A
Potassium Chloride	70°	A	A	A	A
Potassium Chromate	70°	A	A	A	B
Potassium Dichromate	70°	A	A	A	B
Potassium Hydrate	70°	I	A	I	B
Potassium Hydroxide	70°	B	A	A	B
Potassium Nitrate	70°	A	A	A	B
Potassium Silicate	70°	I	A	I	B
Potassium Sulfate	70°	A	A	A	B
Potassium Sulfide	70°	A	A	A	B
Potassium Sulfite	70°	A	A	A	B
Propanediol	70°	I	A	I	B
Propanol	70°	I	A	I	B
Propyl Acetate	70°	I	X	I	I
Propyl Alcohol	70°	A	A	B	B
Propyl Chloride	---	X	X	X	X
Propylene Dichloride	70°	X	X	X	X
Propylene Glycol	70°	A	I	A	A
<b>S</b>					
Sea Water	70°	A	A	A	A
Silicate of Soda	70°	I	B	A	A
Soda Ash	70°	A	A	A	A
Soda, Caustic	70°	A	B	A	A
Soda, Lime	70°	I	B	A	I
Soda, Niter	70°	I	B	I	A
Sodium Acetate	70°	A	B	A	B
Sodium Aluminate	70°	I	A	A	B
Sodium Bisulfate	70°	A	A	A	A
Sodium Bisulfite	70°	I	A	A	A
Sodium Carbonate	70°	A	A	A	A
Sodium Chloride (brine)	70°	A	A	A	A
Sodium Chromate	70°	I	A	I	I
Sodium Dichromate	70°	A	A	A	B
Sodium Hydrate	70°	I	A	I	I

## Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Sodium Hydrochlorite	70°	A	A	B	B
Sodium Hydroxide	70°	A	A	A	A
Sodium Hypochlorite	70°	A	A	A	A
Sodium Nitrate	70°	A	A	A	A
Sodium Silicate	70°	A	A	A	A
Sodium Sulfate	70°	A	A	A	A
Sodium Sulfide	70°	A	A	A	A
Sodium Sulfite	70°	A	A	A	A
Sodium Thiosulfate	70°	A	A	A	A
Stannic Chloride	70°	A	A	A	B
Stannic Sulfide	70°	I	A	I	I
Stannous Chloride	70°	I	A	I	I
Stannous Sulfide	70°	I	A	I	I
Stearic Acid	70°	A	A	A	A
Sulfonic Acid	70°	I	B	I	I
Sulfur Dioxide (Liquid)	70°	X	X	X	X
Sulfuric Acid (Dry)	70°	A	A	A	A
Sulfuric Acid 25%	70°	A	A	A	A
Sulfuric Acid 25-50%	70°	A	A	A	A
Sulfuric Acid 50-96%	70°	X	X	B	B
Sulfuric Acid Fuming	70°	X	X	X	X
Sulfurous Acid 10%	70°	B	B	B	A
Sulfurous Acid 10-75%	70°	X	X	X	X
<b>T</b>					
Tannic Acid	70°	B	B	B	A
Tar	---	I	X	I	I
Tartaric Acid	70°	A	A	A	A
Tertiary Butyl Alcohol	70°	B	B	B	I
Tetrachlorobenzene	70°	I	X	I	I
Tetrachloroethane	70°	I	X	X	X
Tetrachloroethylene	70°	I	X	X	X
Tetraethylene Glycol	70°	I	B	I	I
Tetrachloromethane	70°	I	X	I	X
Tetrachloronaphthalene	70°	I	X	I	X
Tetrahydrofuran	70°	X	X	X	X
Tin Chloride	70°	B	B	B	B
Tin Tetrachloride	70°	B	B	B	B
THF	70°	I	X	I	X
Toluene	70°	X	X	X	X

# Spiraflex Hose Chemical Resistance Guide

## Rating Scale

**A** = May be used for Continuous Service

**B** = May be used for Intermittent Service

**I** = Insufficient data, contact customer service

**X** = Do not use

## Thermoplastic Hose

	Temp. (F°)	Polyurethane Spirathane	PVC Pliovic Plus	TPE Arvac SW	TPR Green Hornet XF
Toluidine	70°	I	X	I	I
Toluol	70°	X	X	X	X
Transmission Oil "A"	70°	A	B	I	I
Tributyl Phosphate	70°	X	X	X	X
Trichlorobenzene	70°	X	X	X	X
Trichloroethane	70°	I	X	X	X
Trichloroethylene	70°	X	X	X	X
Trichloropropane	70°	I	I	X	X
Triethanolamine	70°	B	B	B	I
Triethylene Glycol	70°	I	B	I	B
Triphenyl Phosphate	70°	B	X	I	I
Trisodium Phosphate	70°	B	B	A	A
Turpentine	70°	B	B	A	X
<b>U</b>					
Urea	70°	A	A	A	A
Undecanol	70°	I	A	I	I
<b>V</b>					
V.M. & P. Naptha	70°	I	B	I	I
Vinyl Acetate	70°	I	X	I	X
Vinyl Benzene	70°	I	X	I	X
Vinyl Chloride	---	X	X	X	X
<b>W</b>					
Water	70°	A	A	A	A
Wood Alcohol	70°	B	B	B	A
<b>X</b>					
Xylene (Xylol)	70°	X	X	X	X
Xylidine	70°	I	X	I	I
<b>Z</b>					
Zinc Carbonate	70°	I	A	A	B
Zinc Chloride	70°	A	A	A	B
Zinc Chromate	70°	A	A	A	I
Zinc Sulfate	70°	A	A	A	B

**Air & Multipurpose**

General Purpose

Heavy Duty

Push-on

Chemical Transfer

Cleaning Equipment

Food & Beverage

Transfer

Food Washdown

Marine

**Material Handling**

Abrasives

Bulk Transfer

Cement & Concrete

Mining

**Petroleum**

Aircraft Fueling

Dispensing

Dock

Rig Supply

Transfer Discharge

Transfer S&D

Specialty

Steam

Vacuum

**Water**

Discharge

Suction & Discharge

Washdown

Garden

Welding

Coupling Systems

Equipment

Appendix