

Composite Hose and Chemical Table

⚠ WARNING! The following data is based on tests and believed to be reliable; however, the tabulation should be used as a guide **ONLY**, since it does not take into consideration all variables, such as elevated temperatures, fluid contamination, concentration, etc., that may be encountered in actual use. All critical applications should be tested. [Refer to the Safety & Technical Information section](#) of this catalog for safety, handling and use information.

Key: **A** = Suitable for use @ 140°F
B = Suitable for use @ AMBIENT temperatures
C = Suitable for use INTERMITTENT service only
F = Unsuitable – NOT RECOMMENDED
• = No data (contact Parker)

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material		Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications)	Viton® (Chemical Applications)		w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications)	Viton® (Chemical Applications)
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)				G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
1,3-Pentadiene	C	C	C	A	C	A	•	•	Amyl Alcohol	B	B	B	A	B	A	A	A
2-Ethylhexylamine	C	B	B	A	C	A	•	•	Amyl Chloride	C	C	C	B	C	B	F	A
2-Ethyl-3-Propylacrolein	C	C	C	A	C	A	•	•	Aniline	F	C	C	A	F	A	F	B
2-Hydroxyethyl Acrylate	C	C	C	B	C	B	•	•	Animal Oils	A	A	A	A	A	A	A	A
2-Methyl Pentene	C	C	C	A	C	A	•	•	Anisole	C	C	C	B	C	B	•	B
Acetaldehyde 100%	F	C	C	A	F	A	F	F	Antimony Chloride	F	B	F	F	F	F	A	A
Acetaldehyde 40%	F	B	B	A	F	A	F	F	Aqua Regia	F	C	F	F	F	F	F	A
Acetic Acid 60%	F	A	A	A	F	A	F	F	Arcenic Chloride	F	B	F	F	F	F	C	F
Acetic Acid, Glacial	F	B	B	A	F	A	F	F	Arsenic Acid	F	B	C	B	F	B	A	A
Acetic Anhydride	F	B	B	A	F	A	F	F	Aviation Fuel	C	C	C	B	C	B	A	A
Acetoacetic Ester	F	B	B	A	F	A	F	F	Barium Carbonate	A	A	A	A	A	A	A	A
Acetone	A	A	A	A	A	A	F	F	Barium Chloride Solution	F	A	F	F	F	F	A	A
Acetone Cyanohydrin	F	B	B	A	F	A	F	F	Barium Hydroxide	F	A	A	A	F	A	A	A
Acetonitrile	B	B	B	A	B	A	C	F	Barium Salts	F	A	B	B	F	B	A	A
Acetophenone	B	B	B	A	B	A	F	F	Barium Sulfate	F	A	A	A	F	A	A	A
Acetyl Chloride	F	F	F	A	F	A	F	B	Beer	F	A	A	A	F	A	A	A
Acetylacetone	B	B	B	A	B	A	C	F	Benzaldehyde	F	C	C	A	F	A	F	F
Acetylene Dichloride	B	B	B	A	B	A	A	F	Benzene	F	C	C	A	F	A	F	A
Acrolein (Acrylaidenhyde)	B	B	B	A	B	A	B	F	Benzoic Acid	F	C	A	A	F	A	F	A
Acrylamide (<50%)	F	C	C	B	F	B	•	•	Benzyl Alcohol	A	A	A	A	A	A	F	A
Acrylic Acid	F	B	B	B	F	B	B	A	Bleach (12.5% CL)	F	B	C	B	F	B	F	B
Acrylonitrile	F	A	A	A	F	A	F	F	Borax (Aqueous)	A	A	A	A	A	A	A	A
Adipic Acid (Aqueous)	A	A	A	A	A	A	A	A	Boric Acid	F	A	A	A	F	A	A	A
Adiponitrile	B	B	B	A	B	A	•	•	Brine	F	A	C	F	F	F	A	A
Allyl Alcohol	A	A	A	A	A	A	A	B	Butadiene	B	B	B	B	B	B	F	B
Allyl Bromide	C	C	C	A	C	A	F	B	Butanol	B	B	B	A	B	A	A	A
Allyl Chloride	C	C	C	B	C	B	F	A	Butyl Acetate	C	C	C	B	C	B	F	F
Aluminum Salt Solutions	F	A	B	A	F	A	A	A	Butyl Alcohol	A	A	A	A	A	A	A	A
Alums	F	A	A	A	F	A	A	A	Butyl Benzene	B	B	B	B	B	B	F	A
Aminoethyl Ethanolamine	F	B	B	A	F	A	•	•	Butyl Carbitol Acetate	C	C	C	B	C	B	B	A
Ammonia Solution	F	A	A	A	F	A	C	B	Butylamine	F	B	B	B	F	B	C	F
Ammonium Chloride Solution	F	A	C	C	F	C	C	A	Butyric Acid	B	B	B	A	B	A	C	C
Ammonium Hydroxide	B	A	B	A	B	A	B	B	Calcium Acetate	B	B	B	B	B	B	F	F
Ammonium Nitrate Solution	F	A	B	B	F	B	A	A	Calcium Alkyl Salicylate	F	A	A	A	F	A	•	•
Ammonium Sulfate Solution	F	A	A	A	F	A	A	A	Calcium Carbonate	F	A	A	A	F	A	A	A
Amyl Acetate	C	C	C	A	C	A	F	A	Calcium Chloride	F	A	C	C	F	C	A	A
									Calcium Hydroxide	F	A	A	A	F	A	A	A
									Calcium Hypochlorite	F	B	C	B	F	B	F	A
									Calcium Nitrate	F	A	A	A	F	A	A	A
									Camphor Oil	C	C	C	B	C	B	B	A

(Continued on the following page)

Composite Hose and Chemical Table (Continued)

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Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications) Viton® (Chemical Applications)	
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
Caprylic Acid	A	A	A	A	A	A	C	B
Carbinols	B	B	B	A	B	A	A	F
Carbinol Acetate	C	C	C	B	C	B	B	B
Carbolic Acid	F	A	A	A	F	A	C	A
Carbolic Oils	C	C	C	B	C	B	•	•
Carbon Bisulfide	F	B	B	B	F	B	F	A
Carbon Disulfide	C	C	C	A	C	A	F	A
Carbon Monoxide	F	A	A	A	F	A	C	A
Carbon Tetrachloride	C	C	C	B	C	B	C	A
Carbonic Acid	F	A	A	A	F	A	A	A
Cashew Nutshell Oil	B	B	B	B	B	B	•	•
Castor Oil	F	B	B	B	F	B	A	A
Caustic Potash (<50%)	F	A	B	A	F	A	A	C
Caustic Soda (<50%)	F	A	B	A	F	A	B	C
Cellosolve	B	B	B	B	B	B	F	C
Cetyl Acid	F	B	B	B	F	B	•	•
Chlorinated Solvents	F	B	B	B	F	B	F	A
Chlorine (Dry)	F	F	F	A	F	A	B	A
Chlorobenzene	C	C	C	A	C	A	F	A
Chloroform	C	C	C	A	C	A	F	A
Chrome Alum	F	A	A	A	F	A	A	A
Chromic Acid Aqueous	F	C	C	A	F	A	F	C
Citric Acid	F	A	A	A	F	A	B	A
Coal Tar Naptha	F	B	B	A	F	A	A	A
Copper Chloride	F	A	F	F	F	F	A	A
Copper Nitrate	F	A	A	A	F	A	A	A
Crosetone	B	B	B	A	B	A	A	A
Crotonaldehyde	C	C	C	B	C	B	F	F
Crude Oil	A	A	A	A	A	A	A	A
Cumene	B	B	B	A	B	A	C	A
Cyclohexane	B	B	B	B	B	B	B	A
Cyclohexylamine	F	B	B	A	F	A	C	F
Cyclotane	B	B	B	A	B	A	•	•
Decanol	B	B	B	B	B	B	B	A
Decyl Alcohol	B	B	B	B	B	B	A	B
Decylbutyl Phthalate	B	B	B	B	B	B	F	C
Detergents (2%)	A	A	A	A	A	A	A	A
Dextrin	A	A	A	A	A	A	A	A
Diacetone Alcohol	B	B	B	A	B	A	F	F
Diaminoethylamine	C	B	B	A	C	A	•	•
Diamylamine	C	B	B	A	C	A	B	F
Dibromoethane	F	B	B	A	F	A	F	A
Dibutyl Ether	C	C	C	B	C	B	F	C
Dibutyl Phthalate	B	B	B	A	B	A	F	F

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications) Viton® (Chemical Applications)	
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
Dibutylamine	C	B	B	A	C	A	F	F
Dichloroacetic Acid	F	C	F	F	F	F	F	C
Dichlorobenzene	C	C	C	B	C	B	F	B
Dichlorobutane	C	C	C	A	C	A	F	A
Dichloroethane	C	C	C	B	C	B	F	A
Dichloroethyl Ether	C	C	C	A	C	A	F	C
Dichloroethylene	C	C	C	B	C	B	F	A
Dichloropropane	C	C	C	B	C	B	F	A
Dichloropropylene	C	C	C	B	C	B	•	•
Diethylbenzene	B	B	B	A	B	A	•	•
Diesel Oil	B	B	B	B	B	B	A	A
Diethanolamine	F	A	A	A	F	A	B	F
Diethyl Sulphate	F	B	B	A	F	A	F	A
Diethylamine	F	B	B	A	F	A	C	F
Diethylaminoethanol	C	B	B	A	C	A	•	•
Diethylene Dioxide	C	B	B	A	C	A	F	F
Diethylene Glycol Diethyl Ether	B	B	B	A	B	A	•	•
Diethylene Glycol	A	A	A	A	A	A	A	A
Diisobutyl Ketone	B	B	B	A	B	A	F	F
Diisobutylamine	B	B	B	B	B	B	B	A
Diisobutylene	C	C	C	B	C	B	A	A
Diisooctyl Adipate	B	B	B	A	B	A	F	C
Diisooctyl Phthalate	A	A	A	A	A	A	F	B
Diisopropanolamine	F	B	B	A	F	A	B	C
Diisopropylether	B	B	B	A	B	A	B	B
Dimethyl Ethanolamine	F	B	B	A	F	A	•	•
Dimethyl Formamide	A	A	A	A	A	A	C	F
Dimethyl Hydrogen Phosphite	F	C	C	B	F	B	•	•
Dimethyl Ketone	A	A	A	A	A	A	F	F
Dimethyl Phthalate	B	B	B	A	B	A	F	C
Dimethyl Sulphate	F	B	B	A	F	A	F	F
Dimethyl Sulphide	B	B	B	A	B	A	F	C
Dimethylamine	F	B	B	A	F	A	C	F
Dimethylcyclohexylamine	F	B	B	B	F	B	•	•
Dinitrobenzene	C	C	C	A	C	A	F	A
Diocetyl Phthalate	B	B	B	A	B	A	F	B
Diocetyl Sebacate	B	B	B	A	B	A	F	B
Diocetylamine	B	B	B	A	B	A	B	F
Dioxane	C	B	B	A	C	A	F	F
Dipentene	B	B	B	A	B	A	C	A

(Continued on the following page)



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	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)												
Diphenyl Ether	B	B	B	A	B	A	F	A	Ethylene Glycol	A	A	A	A	A	A	A	A	A
Diphenyl Phthalate	B	B	B	A	B	A	F	C	Ethylene Oxide	F	B	B	A	F	A	F	A	F
Dipropylamine	B	B	B	A	B	A	•	•	Ethylhexanoic Acid	F	B	B	B	F	B	•	•	•
Dipropylene Glycol	A	A	A	A	A	A	A	A	Ethylhexyl Acrylate	F	B	B	A	F	A	•	•	F
Disulphuric Acid	F	F	F	C	F	C	•	•	Ethylhexyl Alcohol	A	A	A	A	A	A	•	•	•
Dodecyl Alcohol	B	B	B	A	B	A	A	B	Ethylpropyl Ether	B	B	B	A	B	A	F	C	C
Dodecyl Benzene	B	B	B	B	B	B	F	A	Ethylpropyl Ketone	C	C	C	A	C	A	F	F	F
Dodecyl Phenol	B	B	B	B	B	B	•	•	Fatty Acids	F	A	A	A	F	A	B	A	A
Dodecyltoluene	B	B	B	B	B	B	F	A	Fatty Alcohols	A	A	A	A	A	A	•	•	•
Emulsifiers	F	A	A	A	F	A	•	•	Ferric Salts	F	A	B	B	F	B	A	A	A
Epichlorohydrin	B	B	B	A	B	A	F	F	Fluosilicic Acid	F	A	A	A	F	A	B	A	A
Ethanoic Acid	F	B	B	A	F	A	C	F	Formaldehyde Solutions	A	A	A	A	A	A	A	A	A
Ethanolamine	B	A	A	A	B	A	B	F	Formamide	F	A	B	A	F	A	A	F	F
Ethoxy Ethanol	C	C	C	B	C	B	A	C	Formic Acid	F	A	B	A	F	A	B	F	F
Ethoxy Ethyl Acetate	C	C	C	A	C	A	F	F	Fruit Juices	F	A	A	F	F	F	A	A	A
Ethoxy Propanol	C	C	C	B	C	B	•	•	Fuel Oils	B	B	B	A	B	A	A	A	A
Ethyl Acetate	C	C	C	A	C	A	F	F	Furfural	C	C	C	A	C	A	F	F	F
Ethyl Acrylate	B	B	B	A	B	A	F	F	Furfuryl Alcohol	C	C	C	A	C	A	F	F	F
Ethyl Alcohol	A	A	A	A	A	A	A	B	Gallic Acid Solution	C	A	A	A	C	A	B	B	B
Ethyl Aluminum Dichloride	F	F	F	C	F	C	F	B	Gasoline	B	B	B	A	B	A	A	A	A
Ethyl Butanol	B	B	B	A	B	A	A	B	Gelatine (aqueous)	A	A	A	A	A	A	A	A	A
Ethyl Butylamine	C	B	B	B	C	B	•	•	Gluconic Acid	C	A	A	A	C	A	C	A	A
Ethyl Chloride	C	C	C	A	C	A	F	B	Glucose (aqueous)	A	A	A	A	A	A	A	A	A
Ethyl Cyclohexane	C	C	C	A	C	A	•	•	Glycerine	A	A	A	A	A	A	A	A	A
Ethyl Cyclohexylamine	C	C	C	B	C	B	•	•	Glycolic acid (aqueous)	F	A	A	A	F	A	A	A	A
Ethyl Ether	F	C	C	A	F	A	C	F	Glycols (aqueous)	A	A	A	A	A	A	A	A	A
Ethyl Formate	F	B	B	A	F	A	F	F	Grease	B	B	B	A	B	A	A	A	A
Ethyl Iodide	C	C	C	B	C	B	F	B	Green Sulphate Liquor	F	B	B	B	F	B	•	•	•
Ethyl Isobutyl Ether	F	B	B	A	F	A	F	•	Heptane	B	B	B	A	B	A	A	A	A
Ethyl Methacrylate	C	C	C	A	C	A	•	•	Heptanol	A	A	A	A	A	A	A	A	B
Ethyl Methyl Ketone	B	B	B	B	B	B	F	F	Heptanone	B	B	B	A	B	A	•	•	•
Ethyl Phthalate	A	A	A	A	A	A	F	•	Heptene	B	B	B	A	B	A	•	•	•
Ethyl Silicate	A	A	A	A	A	A	A	A	Heptonic Acid	F	B	B	A	F	A	A	A	A
Ethyl Sulphate	B	B	B	A	B	A	F	F	Hexamethylene Diamine	F	B	B	A	F	A	•	•	•
Ethyl Vinyl Ether	B	B	B	A	B	A	•	•	Hexamethylene Tetramine	F	B	B	A	F	A	•	•	•
Ethylamine	C	B	B	A	C	A	C	F	Hexamethyleneimine	F	C	C	B	F	B	•	•	•
Ethylbenzene	B	B	B	A	B	A	F	A	Hexane	B	B	B	A	B	A	A	A	A
Ethylene Carbonate	C	B	B	A	C	A	•	•	Hexanol	A	A	A	A	A	A	A	A	A
Ethylene Chloride	C	C	C	A	C	A	F	A	Hexene	B	B	B	B	B	B	B	A	A
Ethylene Chlorohydrin	B	B	B	A	B	A	F	A	Hexylamine	F	B	B	A	F	A	C	F	F
Ethylene Cyanhydrin	F	C	C	A	F	A	B	A	Hexylene Glycol	A	A	A	A	A	A	A	A	A
Ethylene Diamine	B	B	B	A	B	A	A	F	Hydrazine Hydrate	F	B	B	A	F	A	B	F	F
Ethylene Dibromide	C	B	B	A	C	A	F	B	Hydrobromic Acid	F	A	F	F	F	F	C	A	A
Ethylene Dichloride	C	C	C	A	C	A	F	B	Hydrochloric Acid	F	C	F	F	F	F	F	F	A

(Continued on the following page)

Composite Hose and Chemical Table (Continued)

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	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
Hydrofluoric Acid	F	B	F	F	F	F	F	A
Hydrofluosilicic Acid	F	A	A	A	F	A	B	A
Hydrogen Peroxide Solution	F	B	B	B	F	B	F	B
Hydrogen Sulfide (aqueous)	F	A	F	F	F	F	F	F
Hydroquinone	A	A	A	A	A	A	F	F
Iodine Solution	F	B	F	F	F	F	F	C
Iron Salts	F	A	F	A	F	A	A	A
Isoamyl Acetate	C	C	C	A	C	A	F	F
Isoamyl Alcohol	B	B	B	A	B	A	A	A
Isoamyl Bromide	F	B	F	F	F	F	F	B
Isoamyl Butyrate	B	B	B	A	B	A	F	F
Isoamyl Chloride	F	C	C	B	F	B	F	B
Isoamyl Ether	B	B	B	A	B	A	F	F
Isobutraldehyde	F	F	C	B	F	B	C	F
Isobutyl Acetate	C	C	C	B	C	B	F	F
Isobutyl Acrylate	B	B	B	A	B	A	•	•
Isobutyl Alcohol	A	A	A	A	A	A	B	B
Isobutyl Bromide	F	B	F	F	F	F	F	B
Isobutyl Chloride	F	B	F	F	F	F	F	B
Isobutyl Ether	C	C	C	A	C	A	F	F
Isobutyl Formate	C	C	C	C	C	C	•	•
Isobutylamine	F	B	B	A	F	A	F	F
Isobutylmethyl Ketone	B	B	B	A	B	A	F	F
Isodecyl Alcohol	A	A	A	A	A	A	A	B
Isooctane	C	C	C	A	C	A	A	A
Isopentane	C	C	C	A	C	A	A	A
Isophorone	B	B	B	B	B	B	F	F
Isophorone Diamine	F	C	C	B	F	B	•	•
Isophorone Diisocyanate	C	C	C	B	C	B	•	•
Isoprene	B	B	B	A	B	A	•	•
Isopropanolamine	F	B	B	A	F	A	F	F
Isopropyl Acetate	C	C	C	B	C	B	F	F
Isopropyl Alcohol	A	A	A	A	A	A	B	B
Isopropyl Benzene	B	B	B	B	B	B	F	A
Isopropyl Chloride	F	B	F	B	F	B	F	B
Isopropyl Ether	F	B	F	A	F	A	C	F
Isopropyl Toluene	B	B	B	B	B	B	F	A
Isopropylamine	F	B	B	A	F	A	B	F
Isovaleraldehyde	F	C	C	B	F	B	•	•
Jams	B	A	A	A	B	A	A	A
Jet Fuel	C	C	C	A	C	A	A	A
Kerosene	B	B	B	A	B	A	A	A
Ketones	B	B	B	A	B	A	F	F
Lactic Acid	F	A	B	A	F	A	C	A

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications) Viton® (Chemical Applications)	
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
Lanolin	A	A	A	A	A	A	A	A
Lard	A	A	A	A	A	A	A	A
Latex	A	A	A	A	A	A	A	A
Lauryl Alcohol	B	B	B	A	B	A	A	B
Lead Acetate	F	A	A	A	F	A	C	C
Lead Salts	F	A	B	B	F	B	A	A
Ligroin	C	C	C	B	C	B	A	A
Limonene	B	B	B	A	B	A	•	•
Linseed Oil	A	A	A	A	A	A	A	A
Lubricating Oil	B	B	B	A	B	A	A	A
Magnesium Salts	F	A	B	B	F	B	A	A
Maleic Acid Solution	F	A	B	B	F	B	F	A
Maleic Anhydride Solution	F	B	B	B	F	B	F	A
Malic Acid Solution	F	B	B	B	F	B	B	A
Manganese Salts	F	A	B	B	F	B	A	A
Meat Juices	F	A	A	A	F	A	•	•
Mercuric Chloride	F	A	F	F	F	F	B	A
Mesityl Oxide	B	B	B	A	B	A	F	F
Methacrylic Acid	F	B	B	A	F	A	•	•
Methaxylene	F	B	B	B	F	B	•	•
Methyl Acetate	C	C	C	A	C	A	F	F
Methyl Acetone	B	B	B	A	B	A	F	F
Methyl Acrylate	B	B	B	A	B	A	F	F
Methyl Alcohol	A	A	A	A	A	A	A	C
Methyl Butyraldehyde	F	F	F	B	F	B	•	•
Methyl Carbitol	A	A	A	A	A	A	C	•
Methyl Cellosolve	B	B	B	B	B	B	C	F
Methyl Cellosolve Acetate	C	C	C	B	C	B	•	•
Methyl Chloride	C	C	C	A	C	A	C	A
Methyl Cyanide	B	B	B	A	B	A	C	F
Methyl Cyclohexane	B	B	B	A	B	A	F	B
Methyl Formate	C	C	C	A	C	A	F	C
Methyl Isobutyl Ketone	C	C	C	A	C	A	F	F
Methyl Methacrylate	C	C	C	A	C	A	F	F
Methyl Nitrobenzene	B	B	B	B	B	B	•	•
Methyl Pentene	B	B	B	A	B	A	•	•
Methylaceto Acetate	F	C	C	B	F	B	F	F
Methylamine	C	B	B	B	C	B	B	F
Methylamly Ketone	B	B	B	A	B	A	•	•
Methylamyl Acetate	C	C	C	A	C	A	C	C

(Continued on the following page)



Composite Hose and Chemical Table (Continued)

Key: **A** = Suitable for use @ 140°F
B = Suitable for use @ AMBIENT temperatures
C = Suitable for INTERMITTENT service only
F = Unsuitable – NOT RECOMMENDED
• = No data (contact Parker)

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems		Nitrile (Petroleum Applications) Viton® (Chemical Applications)	
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)		
Methylamyl Alcohol	B	B	B	A	B	A	•	•
Methylbutyl Alcohol	A	A	A	A	A	A	•	•
Methylbutyl Ketone (MBK)	B	B	B	A	B	A	•	•
Methylene Bromide	C	C	C	A	C	A	B	C
Methylene Chloride	C	C	C	B	C	B	F	C
Methylethyl Ketone	C	C	C	A	C	A	F	F
Methylethyl Pyridine	C	C	C	B	C	B	•	•
Methylheptyl Ketone	F	B	B	B	F	B	•	•
Methylstyrene	B	B	B	A	B	A	•	•
Methylter-Butyl Ether (MTBE)	C	C	C	A	C	A	F	F
Mineral Oil	B	B	B	A	B	A	A	A
Mineral Spirits	B	B	B	A	B	A	A	A
Molasses	A	A	A	A	A	A	F	A
Monochlorobenzene	C	B	B	B	C	B	F	B
Monoethanolamine	B	A	A	A	B	A	B	C
Monoethylamine	C	B	B	A	C	A	F	•
Monoisopropanolamine	F	B	B	B	F	B	B	F
Monoitrobenzene	B	B	B	A	B	A	•	•
Morpholine	C	B	B	A	C	A	F	A
Naptha	B	B	B	A	B	A	A	A
Naptha Solvent	C	C	C	A	C	A	A	A
Napthalene Solution	A	A	A	A	A	A	F	A
Neohexane	B	B	B	B	B	B	A	A
Nickel Chloride	F	A	C	B	F	B	A	A
Nickel Salts	F	A	B	B	F	B	A	A
Nitric Acid (>-60%)	F	F	F	C	F	C	F	C
Nitric Acid (10%)	F	A	A	A	F	A	F	C
Nitric Acid (60%)	F	C	C	C	F	C	F	C
Nitrobenzene	B	B	B	A	B	A	F	B
Nitropropane	C	C	C	A	C	A	F	F
Nitrotoluene	B	B	B	A	B	A	C	C
Nonane	B	B	B	A	B	A	A	A
Nonyl Alcohol	B	B	B	A	B	A	A	B
Nonyl Phenol	C	B	B	A	C	A	•	•
Octane	B	B	B	A	B	A	A	A
Octanol	B	B	B	A	B	A	B	A
Octyl Acetate	C	C	C	A	C	A	F	F
Octyl Acrylate	B	B	B	A	B	A	•	•
Octyl Carbinol	B	B	B	A	B	A	A	B
Oils	B	B	B	A	B	A	A	A
Oleic Acid	F	B	B	A	F	A	B	C
Oleum	F	F	F	B	F	B	F	F
O-Nitrophenol Solution	F	A	A	A	F	A	C	F
Oxalic Acid	F	B	B	A	F	A	B	A
Palm Oil	B	B	B	A	B	A	A	A
Parrafin Wax	A	A	A	A	A	A	A	A
Pentane	B	B	B	A	B	A	A	A
Pentanol	A	A	A	A	A	A	A	B
Pentanone	B	B	B	A	B	A	F	F
Pentene	B	B	B	A	B	A	B	A
Perchloroethylene	C	C	C	A	C	A	C	A
Perchloric Acid	F	B	F	F	F	F	F	A
Petrolatum	A	A	A	A	A	A	A	A
Petroleum	A	A	A	A	A	A	A	A
Petroleum Ether	C	C	C	A	C	A	A	A
Petroleum Naptha	C	C	C	A	C	A	A	A
Phenol	B	A	A	A	B	A	F	A
Phenoxyethanol	C	C	C	B	C	B	•	•
Phenylhydrazine	F	C	C	B	F	B	•	•
Phosphoric Acid	F	A	A	A	F	A	C	A
Phosphorus	F	F	F	F	F	F	•	•
Phosphorus Oxychloride	F	C	F	F	F	F	F	A
Phosphorus Pentoxide	F	A	B	B	F	B	•	•
Phosphorus Trichloride	F	B	A	A	F	A	F	A
Phthalic Acid	F	B	B	B	F	B	•	•
Phthalic Anyhydride	F	F	F	F	F	F	•	•
Picric Acid	F	B	B	B	F	B	C	C
Pine Oil	B	B	B	A	B	A	C	B
Pinene	B	B	B	A	B	A	A	A
Plasticisers	B	B	B	A	B	A	•	•
Polyethylene Glycol	B	B	B	A	B	A	A	A
Polyethylene Polyamines	F	C	C	A	F	A	A	A
Polypropylene Glycol	B	B	B	A	B	A	A	A
Potassium Salts	F	A	B	A	F	A	A	A
Propionaldehyde	F	C	C	A	F	A	C	F
Propionic Acid	F	B	B	A	F	A	C	F
Propionic Anhydride	F	C	C	B	F	B	•	•
Propionitrile	C	C	C	C	C	C	F	F
Propyl Acetate	C	C	C	A	C	A	F	F
Propyl Alcohol	A	A	A	A	A	A	A	A
Propylamine	F	B	B	A	F	A	C	F
Propylene Glycol	A	A	A	A	A	A	A	A
Propylene Oxide	F	B	B	B	F	B	F	F
Prussic Acid	F	A	A	A	F	A	•	•
Pyridine	F	B	B	A	F	A	F	F
Pyrosulphuric Acid	F	F	F	B	F	B	C	C
Salt Solution	F	A	B	A	F	A	A	A
Sea Water	F	A	B	B	F	B	A	A

(Continued on the following page)



Composite Hose and Chemical Table (Continued)

Key: A = Suitable for use @ 140°F
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 • = No data (contact Parker)

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems			
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)	Nitrile (Petroleum Applications)	Viton® (Chemical Applications)
Sewage	F	B	B	B	F	B	A	A
Silicon Oil	A	A	A	A	A	A	A	A
Silver Halides	F	A	F	F	F	F	C	C
Silver Salts	F	A	B	B	F	B	A	A
Soap Solution	B	A	A	A	B	A	A	A
Sodium Chloride	F	A	F	F	F	F	A	A
Sodium Dichromate	F	B	F	F	F	F	C	C
Sodium Hydrosulfide	F	A	B	B	F	B	C	B
Sodium Hydroxide	F	A	B	B	F	B	C	C
Sodium Hypochlorite	F	C	F	F	F	F	F	A
Sodium Salts	F	A	B	B	F	B	B	A
Sodium Thiosulfate	F	A	B	B	F	B	A	A
Starch(aqueous)	B	A	A	A	B	A	A	A
Styrene Monomer	B	B	B	A	B	A	F	A
Sugar Syrup	A	A	A	A	A	A	A	A
Sulphamic Acid	F	A	A	A	F	A	B	C
Sulpher Dioxide	F	C	C	C	F	C	C	A
Sulpher Liquid	F	F	F	F	F	F	B	A
Sulphuric Acid (<20%)	F	B	C	B	F	B	B	A
Sulphuric Acid (>85%)	F	C	C	B	F	B	F	A
Sulphuric Acid (20%-80%)	F	B	F	C	F	C	F	A
Sulphurous Acid	F	B	B	B	F	B	C	A
Sulphuryl Chloride	F	F	F	F	F	F	C	A
Tall Oil	A	A	A	A	A	A	A	A
Tallow	A	A	A	A	A	A	A	A
Tannic Acid	F	A	A	A	F	A	C	A
Tartaric Acid	F	A	B	A	F	A	C	A
Tetrachloroethane	C	C	C	A	C	A	F	A
Tetrachloroethylene	C	C	C	A	C	A	F	A
Tetraethylene Glycol	B	B	B	A	B	A	A	A
Tetrahydrofuran	F	C	B	A	F	A	F	F
Tetrahydronapthalene	C	C	C	A	C	A	•	•
Tetrathylene Pentamine	F	B	B	B	F	B	•	•
Thionyl Chloride	F	F	F	C	F	C	•	•
Tin Halides	F	A	F	F	F	F	A	A
Tin Salts	F	A	B	F	F	F	A	A
Titanium Tetrachloride	F	C	F	F	F	F	B	A
Toluene	C	C	C	A	C	A	C	A
Toluene Diisocyanate	B	B	B	A	B	A	C	B
Transmission Oil	B	B	B	A	B	A	B	A
Tributyl Phosphate	B	B	B	A	B	A	F	F
Tributylamine	B	B	B	A	B	A	B	F
Trichloroacetic Acid	F	A	B	B	F	B	C	F

Chemical or Material Conveyed	Hose Inner Wire				Coupling Material		Seal Material	
	w/Polypropylene Hose Liner		w/PTFE Hose Liner		Inserts/Stems			
	G Galvanized	P Polypropylene	S Stainless Steel	S Stainless Steel	Carbon Steel	Stainless Steel (316)	Nitrile (Petroleum Applications)	Viton® (Chemical Applications)
Trichlorobenzene	F	C	C	A	F	A	F	B
Trichloroethane	C	C	C	A	C	A	F	A
Trichloropropane	C	C	C	A	C	A	F	A
Tricresyl Phosphate	B	B	B	A	B	A	F	A
Tridecanol	B	B	B	A	B	A	A	B
Triethylamine	F	B	B	B	F	B	A	F
Triethylbenzene	B	B	B	A	B	A	•	•
Triethylene Glycol	A	A	A	A	A	A	A	A
Triethylene Tetramine	F	B	B	A	F	A	•	•
Trimethyl Acetic Acid	F	A	A	A	F	A	•	•
Trimethyl Benzene	B	B	B	A	B	A	B	A
Trioctyl Phosphate	B	B	B	A	B	A	F	B
Trithanolamine	F	B	B	A	F	A	•	•
Trityl Phosphate	B	B	B	A	B	A	F	A
Turpentine	C	C	C	A	C	A	B	A
Urea/Ammonium Salt Solution	B	A	B	A	B	A	A	A
Valeraldehyde	C	C	C	A	C	A	C	F
Vaseline	A	A	A	A	A	A	A	A
Vinegar	F	A	A	A	F	A	C	A
Vinyl Acetate	F	B	B	A	F	A	F	A
Vinyl Ethyl Ether	C	C	C	A	C	A	•	•
Vinyl Toluene	B	B	B	A	B	A	F	A
Vinylidene Chloride	C	C	C	A	C	A	F	A
White Spirits	B	B	B	B	B	B	A	A
Wine	F	B	B	A	F	A	A	A
Xylene/Xylenol	B	B	B	A	B	A	C	A
Yeast(aqueous)	F	A	A	A	F	A	A	A
Zinc Halides	F	A	F	F	F	F	A	A
Zinc Salts	F	A	B	B	F	B	A	A