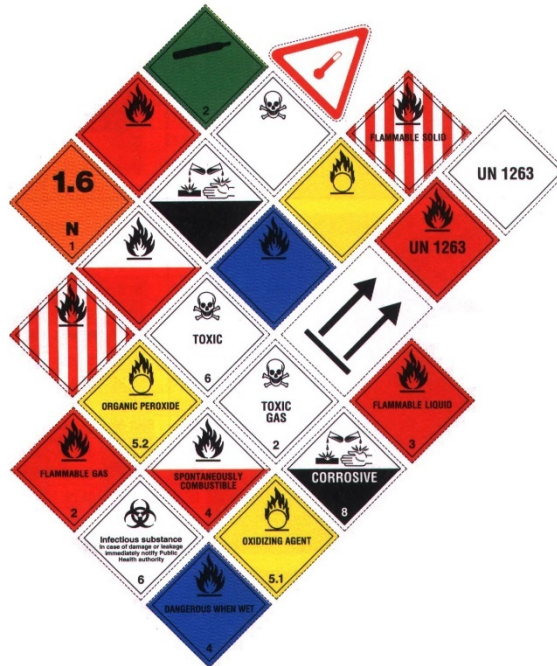


## Chemical Resistance List Composite Hoses



The Following list shows the suitability of our polypropylene composite hoses for use with various conveyants.

The information given is based on the best data available. However the user has to note, that these recommendations are given only as a guide and only apply to the general chemical compatibility of the hoses. The description of a hose as “suitable” does not constitute a guarantee that the hose complies with any regulations or operating conditions governing the handling of the chemical or the use of the hose. Only the user is responsible for the suitability of the hose materials with the specific product they are used with !

For conveyants not mentioned in the list please contact us.

Legend :

**Hose Type :** A) CHEM 700 PZ  
 B) CHEM 700 XZ  
 C) OIL 800 ZZ

**End Fittings** Z) Carbon Steel  
 X) Stainless Steel  
 B) Bronze

**Resistance:** + Excellent  
 O Acceptable  
 - Not recommended

Squares left blank indicate that no appropriate data is available  
 Eventual text entries refer to special hose types

## Chemical Resistance List Composite Hoses

TEDIMEX GmbH assumes no responsibility for the topicality, correctness, completeness or quality of information provided. Liability claims against TEDIMEX GmbH, which refer to material or immaterial nature caused by the use or disuse of the information or the use of incorrect or incomplete information are excluded, provided by the TEDIMEX GmbH disclaims any intent fault present.

Product	Hose			Tail pieces		
	A	B	C	Z	X	B
Acetaldehyde	CRYOTECH			-	+	+
Acetic acid (<60%)	+	+	-	-	+	+
Acetic acid (Glacial)	+	+	-	-	+	+
Acetic anhydride	+	+	-	-	+	+
Acetoacetic ester	0	0	-	-	+	+
Acetone	+	+	+	+	+	+
Acetone cyanohydrin	+	+	-	-	+	-
Acrylonitrile	+	+	+	+	+	+
Acetophenone	+	+	+	+	+	+
Acetylacetone	+	+	+	+	+	+
Acetyl chloride	CHEMCHLOR			-		
Acetylene	-			-		
Acetylene dichloride	+	+	+	+	+	+
Acetylene tetrachloride	0	0	0	0	+	+
Acrolein (acryl aldehyde)	+	+	+	+	+	+
Acrylic acid	+	+	-	-	+	+
Acrylonitrile	+	+	-	-	+	+
Adipic acid aqueous	+	+	+	-	+	+
Adiponitrile	+	+	+	+	+	+
Allyl alcohol	+	+	+	+	+	+
Allyl bromide	0	0	0	0	+	-
Allyl chloride	0	0	0	0	+	-
Alums aqueous (Saturated)	+	+	+	+	+	+
Aluminium salts excluding halides (Saturated)	+	+	-	-	+	-
Aluminium chloride (Saturated)	+	-	-	PVDF		
Aminoethyl ethanolamine	+	+	-	-	+	+
Ammonia solution	+	+	-	-	+	-
Ammonium nitrate	PTFE 300			-	+	-
Ammonium salts excluding halides (Saturated)	+	+	-	-	+	-
Ammonium chloride (Saturated)	+	0	-	-	+	-
Amyl acetate	0	0	0	0	+	+
Amyl alcohol	+	+	+	+	+	+
Amyl chloride	0	0	0	0	+	+
Aniline (dedicated hose)	0	+	-	-	+	-
Animal oils	+	+	+	+	+	+
Anisole	0	0	0	0	+	-
Antimony chloride	+	-	-	-	+	-

## Chemical Resistance List Composite Hoses

Aqua regia	○	-	-	PVDF		
Aviation fuel	○	○	○	○	+	+
Barium salts (Saturated) gear	+	+	-	-	+	-
Beer	+	+	-	-	+	+
Benzaldehyde	○	○	-	-	+	-
Benzene	○	○	○	○	+	+
Benzene sulphuric acid	○	○	-	-	+	-
Benzoic acid	+	+	-	-	+	-
Benzoyl chloride	○	○	○	○	+	+
Benzyl alcohol	+	+	+	+	+	+
Benzyl butyl phthalate	+	+	+	+	+	+
Benzyl chloride	○	○	○	○	+	+
Bleach (< 12.596 Cl)	○	○	-	-	+	-
Borax aqueous	+	+	+	+	+	-
Boric acid aqueous	+	+	-	-	+	+
Brine (Saturated)	+	○	-	-	+	-
Bromine water (Saturated)	-					
Butadine	+	+	+	+	+	+
Butane liquid	CRYOTEC					
Butanediol	+	+	+	+	+	+
Butyl alcohol	+	+	+	+	+	+
Butyl acetate	○	○	○	○	+	+
Butyl acrylate	+	+	+	+	+	+
N-Butylamine	+	+	-	-	+	+
Butyl benzene	+	+	+	+	+	+
Butyl benzyl phthalate	+	+	+	+	+	+
Butyl butyrate	+	+	+	+	+	+
Butyl carbitol	+	+	+	+	+	+
Butyl carbitol acetate	○	○	○	○	+	+
Butyl cellosolve	+	+	+	+	+	+
Butyl cellosolve acetate	○	○	○	○	+	+
Butylene glycol	+	+	+	+	+	+
Butyl ether	+	+	+	+	+	+
Butyl ethyl ether	+	+	+	+	+	+
Butyl methacrylate	○	○	○	○	+	+
Butyl methoxyethyl ether	○	○	○	○	+	+
Butyl phthalate	+	+	+	+	+	+
Butyl stearate	+	+	+	+	+	+
Butyraldehyde	○	○	-	-	+	+
Butyric acid (< 20%)	+	+	+	+	+	+
Butyrolactone	○	○	○	○	+	+

## Chemical Resistance List Composite Hoses

Calcium salts excl. halides + hypochlorite (Saturated)	+	+	-	-	+	-
Calcium alkyl salicylate solution	+	+	-	-	+	+
Calcium chloride (Saturated)	+	0	-	-	+	-
Calcium hypochlorite (<1 2.5% Cl)	0	0	-	-	+	+
Camphor oil	0	0	0	0	+	+
Caprylic acid	+	+	+	+	+	+
Carbinols	+	+	+	+	+	+
Carbitols	+	+	+	+	+	+
Carbitol acetate	0	0	0	0	+	+
Carbolic acid	+	+	-	-	+	-
Carbolic oil (middle oil)	0	0	0	0	+	+
Carbon disulphide	0	0	0	0	+	+
Carbon tetrachloride	0	0	0	0	+	+
Carbonic acid	+	+	-	-	+	-
Cashew nut shell oil	+	+	+	+	+	+
Caustic potash (< 50%)	+	+	-	-	+	-
Caustic soda (<50%)	PTFE 300			-	+	-
Cellosolve	+	+	+	+	+	+
Chloroacetic acid	CHEMCHLOR			PVDF		
Chlorine	CHEMCHLOR			PVDF		
Chlorobenzene	0	0	0	0	+	+
Chlorobutane	0	0	0	0	+	+
Chloroform	0	0	0	0	+	+
Chloroprene	0	0	0	0	+	+
Chloropropionic acid	0	0	-	-	+	-
Chlorotoluene	0	0	0	0	+	+
Chrome alum (Saturated)	+	+	-	-	+	+
Chromic acid aqueous (< 50%)	0	0	-	-	+	-
Citric acid	+	+	-	-	+	+
Coal tar naphtha	+	+	+	+	+	+
Copper salts excluding halides (Saturated)	+	+	-	-	+	-
Copper chloride (Saturated)	CHEMCHLOR			PVDF		
Creosote (wood or coal tar)	+	+	+	+	+	+
Cresols (< 90%)	+	+	+	+	+	-
Crotonaldehyde	0	0	0	0	+	-
Cumene	+	+	+	+	+	+
Cyclohexane	+	+	+	+	+	+
Cyclohexanol	+	+	+	+	+	+
Cyclohexanone	0	0	0	0	+	+
Cyclohexylamine	+	+	-	-	+	-
Cyclopentane	+	+	+	+	+	+
p-Cymene	+	+	+	+	+	+

## Chemical Resistance List Composite Hoses

Decyl alcohol	+	+	+	+	+	+
Decyl acrylate	+	+	-	-	+	+
Detergents	+	+	+	+	+	+
Dextrin	+	+	+	+	+	+
Diacetone alcohol	+	+	+	+	+	+
Diaminoethylamine	+	+	+	+	+	+
Diamylamine	+	+	o	o	+	+
Dibromoethane	+	+	-	-	+	+
Dibutylamine	+	+	o	o	+	-
Dibutylether	o	o	o	o	+	+
Dibutyl phthalate	+	+	+	+	+	+
Dibutyi sebacate	+	+	+	+	+	+
Dichloroacetic acid	CHEMCHLOR			PVDF		
Dichlorobenzene	o	o	o	o	+	-
Dichlorobutane	o	o	o	o	+	+
Dichlorodifluormethane	CRYOTEC					
Dichloroethane	o	o	o	o	+	+
Dichlorethylene	o	o	o	o	+	+
Dichloroethyl ether	o	o	o	o	+	-
Dichlorornethane	o	o	o	o	+	+
Dichloropropane	o	o	o	o	+	+
Dichloropropylene	o	o	o	o	+	+
Dichloropropionic acid	o	o	-	-	+	-
Dicyclopentadiene	-	-	-	-	-	-
Diesel oil	+	+	+	+	+	+
Diethanolamine	+	+	-	-	+	-
Diethylamine	+	+	-	-	+	-
Diethylaminoethanol	+	+	o	o	+	+
Diethylbenzene	+	+	+	+	+	+
Diethylene dioxide	+	+	+	+	+	+
Diethylene glycol	+	+	+	+	+	+
Diethylene glycol diethyl ether	+	+	+	+	+	+
Diethylene glycol monobutyl ether	o	o	o	o	+	+
Diethylene glycol monoethyl ether	o	o	o	o	+	+
Diethylene glycol monoethyl ether acetate	o	o	o	o	+	+
Diethylene glycol monobutyl ether acetate	o	o	o	o	+	+
Diethylene glycol monomethyl ether	o	o	o	o	+	+
Diethylene glycol monomethyl ether acetate	o	o	o	o	+	+
Diethylenetriamine	+	+	-	-	+	-
Diethyl ethanolamine	+	+	-	-	+	-
Diethyl ether	+	+	+	+	+	+
Diethyl ketone	+	+	+	+	+	+



## Chemical Resistance List Composite Hoses

Diethyl oxalate	+	+	+	+	+	+
Diethyl phthalate	+	+	+	+	+	+
Diethyl sebacate	+	+	+	+	+	+
Diethyl sulphate	+	+	-	-	+	+
Diphenylamine (molten)				-	+	-
Diisobutylamine	+	+	+	+	+	+
Diisobutylene	+	+	+	+	+	+
Diisobutyl ketone	+	+	+	+	+	+
Diisobutyl phthalate	+	+	+	+	+	+
Diisooctyl adipate	+	+	+	+	+	+
Diisooctyl phthalate	+	+	+	+	+	+
Diisopropanolamine	+	+	-	-	+	-
Diisopropylamine	+	+	-	-	+	-
Diisopropyl ether	+	+	+	+	+	+
Diisopropyl ketone	+	+	+	+	+	+
Dimethylamine	+	+	-	-	+	-
Dimethyl ethanolamine	+	+	-	-	+	-
Dimethyl formamide	+	+	+	+	+	+
Dimethyl ketone	+	+	+	+	+	+
Dimethyl phthalate	+	+	+	+	+	+
Dimethyl sulphate	+	+	-	-	+	+
Dimethyl sulphide	+	+	+	+	+	+
Dinitrobenzene	0	0	0	0	+	+
Diethylamine	+	+	-	-	+	-
Diethyl phthalate	+	+	+	+	+	+
Diethyl sebacate	+	+	+	+	+	+
Dioxane	0	0	0	0	+	+
Dipentene	+	+	+	+	+	+
Diphenyl ether	+	+	+	+	+	+
Diphenyl methane diisocyanate	+	+	+	+	+	+
Diphenyl phthalate	+	+	+	+	+	+
Dipropylamine	+	+	+	+	+	+
Dipropylene glycol	+	+	+	+	+	+
Dipropylene glycol monomethyl ether	0	0	0	0	+	+
Dodecyl alcohol	+	+	+	+	+	+
Dodecyl benzene	+	+	+	+	+	+
Dodecyl benzene sulphuric acid	0	0	-	-	+	-
Dodecyl phenol	+	+	+	+	+	+
Dodecyl methacrylate	-	-	-	-	-	-

## Chemical Resistance List Composite Hoses

Epichlorohydrin	+	+	+	+	+	+
Ethyl alcohol	+	+	+	+	+	+
Ethanolamine	+	+	+	+	+	+
Ethoxy ethanol	o	o	o	o	+	+
Ethoxyethyl acetate	o	o	o	o	+	+
Ethoxy propanol	o	o	o	o	+	+
Ethyl acetate	o	o	o	o	+	+
Ethyl acrylate	+	+	+	+	+	+
Ethyl aluminium dichloride	CHEMCHLOR			PVDF		
Ethylamine	+	+	o	o	+	+
Ethylbenzene	+	+	+	+	+	+
Ethylbutanol	+	+	+	+	+	+
Ethylbutylamine	+	+	o	o	+	+
Ethyl chloride	o	o	o	o	+	+
Ethylcyclohexane	o	o	o	o	+	+
Ethyl cyclohexylamine	o	o	o	o	+	+
Ethylene carbonate	+	+	o	o	+	+
Ethylene chloride	o	o	o	o	+	+
Ethylene chlorohydrin	+	+	+	+	+	+
Ethylene cyanohydrin	+	+	+	+	+	+
Ethylene diamine	+	+	+	+	+	+
Ethylene dibromide	+	+	o	o	+	+
Ethylene dichloride	o	o	o	o	+	+
Ethylene glycol	+	+	+	+	+	+
Ethylene glycol monobutyl ether	+	+	+	+	+	+
Ethylene glycol methyl butyl ether	+	+	+	+	+	+
Ethylene glycol monobutyl ether acetate	+	+	+	+	+	+
Ethylene glycol monoethyl ether	+	+	+	+	+	+
Ethylene glycol monomethyl ether	+	+	+	+	+	+
Ethyl ether	+	+	+	+	+	+
Ethyl Formate	+	+	-	-	+	+
Ethylene oxide (dedicated hose)	+	+	-	-	+	-
Ethylene glycol monomethyl ether acetate	+	+	+	+	+	+
Ethyl hexanoic acid	+	+	-	-	+	+
Ethyl hexyl alcohol	+	+	+	+	+	+
Ethylene glycol monophenyl ether	+	+	+	+	+	+
Ethyl hexyl acrylate	+	+	o	o	+	+
2-Ethyl hexylamine	+	+	o	o	+	+
Ethyl iodide	o	o	o	o	+	+
Ethyl isobutyl ether	+	+	-	-	+	+
Ethyl methacrylate	o	o	o	o	+	+
2 -Ethyl-3 -propylacrolei n	o	o	o	o	+	+

## Chemical Resistance List Composite Hoses

Ethyl propyl ether	+	+	+	+	+	+
Ethyl propyl ketone	0	0	0	0	+	+
Ethyl silicate	+	+	+	+	+	+
Ethyl sulphate	+	+	+	+	+	+
Ethyl vinyl ether	+	+	+	+	+	+
Fatty acids	+	+	-	-	+	+
Fatty alcohols	+	+	+	+	+	+
Ferrous, ferric salts excluding halides	+	+	-	-	+	+
Fluorinated refrigerants	CRYOTEC			0	+	-
Fluosilicic acid	+	+	-	-	+	-
Formaldehyde solution (<45%)	+	+	+	+	+	+
Formamide	+	+	-	-	+	+
Formic acid	+	+	-	-	+	+
Freon	-					
Fruit juices	+	+	-	-	+	+
Fructose	+	+	+	+	+	+
Fuel oil	+	+	+	+	+	+
Furfural	+	+	+	+	+	+
Furfuryl alcohol	+	+	+	+	+	+
Gallic acid solution	+	+	+	+	+	+
Gasoline	+	+	-	+	+	+
Gelatine aqueous	+	+	+	+	+	+
Gluconic acid	+	+	0	0	+	+
Glucose aqueous	+	+	+	+	+	+
Glycerine	+	+	+	+	+	+
Green sulphate liquor	+	+	-	-	+	-
Glycols aqueous	+	+	+	+	+	+
Glycolic acid aqueous (<37%)	+	+	-	-	+	+
Heptane	+	+	+	+	+	+
Heptanoic acid	+	+	-	-	+	-
Heptanol	+	+	+	+	+	+
Heptanone	+	+	+	+	+	+
Heptene	+	+	+	+	+	+
Hexamethylene diamine	+	+	0	0	+	+
Hexane	+	+	+	+	+	+
Hexanol	+	+	+	+	+	+
Hexylamine	+	+	-	-	+	+
Hexene	+	+	+	+	+	+
Hexylene glycol	+	+	+	+	+	+



## Chemical Resistance List Composite Hoses

Hydrazine hydrate	+	+	-	-	+	-
Hydrobromic acid (< 50%)	+	-	-			
Hydrochloric acid (< 37%)	CHEMCHLOR			PVDF		
Hydrofluoric acid (< 50%)	CHEMCHLOR			PVDF		
Hydrofluosilicic acid	+	+	-	-	+	+
Hydrogen peroxide (< 50%)	+	+	-	-	+	-
Hydrogen sulphide aqueous (Saturated)	+	-	-	-	+	-
Hexamethylene diamine	+	+	-	-	+	+
Hexamethylene tetramine	+	+	-	-	+	+
Hydroquinone	+	+	+	+	+	-
Iodine solution	+	-	-	-	+	-
Iron salts excluding halides (Saturated)	+	+	-	-	+	+
Iron halides	+	-	-			
Isoamyl acetate	+	+	+	+	+	+
Isoamyl alcohol	+	+	+	+	+	+
Isoamyl bromide	+	-	-	-	+	-
Isoamyl butyrate	+	+	+	+	+	+
Isoalyl chloride	0	0	-	-	+	-
Isoamyl ether	+	+	+	+	+	+
Isobutyl alcohol	+	+	+	+	+	+
Isobutyl acetate	+	+	+	+	+	+
Isobutyl acrylate	+	+	+	+	+	+
Isobutylamine	+	+	-	-	+	+
Isobutyl bromide	+	-	-	-	+	-
Isobutyl chloride	+	-	-	-	+	-
Isobutyl Formate	0	0	0	0	+	+
Isobutyl methyl ketone	+	+	+	+	+	+
Isobutyraldehyde	+	+	-	-	+	+
Isobutyl ether	0	0	0	0	+	+
Isooctane	0	0	0	0	+	+
Isodecyl alcohol	+	+	+	+	+	+
Isopentane	0	0	0	0	+	+
Isopentene	0	0	0	0	+	+
Isophorone	+	+	+	+	+	+
Isoprene	+	+	+	+	+	-
Isopropyl alcohol	+	+	+	+	+	+
Isopropanolamine	+	+	-	-	+	+
Isopropyl acetate	0	0	0	0	+	+
Isopropylamine	+	+	-	-	+	+
Isopropylbenzene	+	+	+	+	+	+
Isopropyl chloride	+	-	-	-	+	-

## Chemical Resistance List Composite Hoses

Isopropyl ether	○	○	○	○	+	+
Isopropyl toluene	+	+	+	+	+	+
Jams	+	+	+	+	+	+
Jet fuel	○	○	○	+	+	+
Kerosene	+	+	+	+	+	+
Ketones	+	+	+	+	+	+
Lactic acid (< 20%) Lanolin	+	+	-	-	+	+
Lanolin	+	+	+	+	+	+
Lard	+	+	+	+	+	+
Latex (Low viscosity)	+	+	+	+	+	+
Lauryl alcohol	+	+	+	+	+	+
Lead alkyls	+	+	+	+	+	-
Lead salts (Saturated)	+	+	-	-	+	-
Ligroin	○	○	○	○	+	+
Limonene.	+	+	+	+	+	+
Linseed oil	+	+	+	+	+	+
Lubricating oil	+	+	+	+	+	+
Magnesium salts. (Saturated)	+	+	-	-	+	-
Maleic acid in solution	+	+	-	-	+	+
Maleic anhydride in solution	+	+	-	-	+	+
Maleic acid in solution	+	+	-	-	+	-
Manganese salts (Saturated)	+	+	-	-	+	-
Mesityl oxide	+	+	+	+	+	+
Methacrylic acid	+	+	-	○	+	+
Methyl alcohol	+	+	+	+	+	+
Methyl acetate	○	○	○	-	+	+
Methyl aceto acetate	○	○	-	-	+	+
Methyl acetone	+	+	+	+	+	+
Methyl acrylate	+	+	+	+	+	+
Methylamine	+	+	○	○	+	+
Methylamyl acetate	○	○	○	○	+	+
Methylamyl alcohol	+	+	+	+	+	+
Methyl amylketone	+	+	+	+	+	+
Methyl tert-butyl ether (MTBE)	+	○	○	○	+	+
Methyl butyl ketone	+	+	+	+	+	+
Methyl cellosolve	+	+	+	+	+	+
Methyl cellosolve acetate	○	○	○	+	+	+
Methyl chloride	<b>CHEMCHLOR</b>					



## Chemical Resistance List Composite Hoses

Methyl cyanide	+	+	+	+	+	+
Methyl cyclohexane	+	+	+	+	+	+
2-methyl pentene	0	0	0	0	+	+
Methylene bromide	0	0	-	-	+	+
Methylene chloride	0	0	0	0	+	+
Methyl ethyl ketone	0	0	0	0	+	+
Methyl ethylpyridine	0	0	0	0	+	-
Methyl Formate	0	0	0	0	+	+
Methyl isobutyl ketone	0	0	0	0	+	+
Methyl methacrylate	0	0	0	0	+	+
Methyl nitrobenzene	+	+	+	+	+	+
Methyl pentene	+	+	+	+	+	+
Methyl pyridene	+	+	+	+	+	+
Methylstyrene	+	+	+	+	+	+
Mineral jelly	+	+	+	+	+	+
Mineral oil	+	+	+	+	+	+
Mineral spirits	+	+	+	+	+	+
Mineral wax	-	-	-			
Molasses	+	+	+	+	+	+
Monoethanolamine	+	+	+	+	+	+
Monoethylamine	+	+	0	0	+	+
Monoisopropanolamine	+	+	-	+	+	+
Mononitrobenzene	+	+	+	+	+	+
Morpholine	+	+	0	0	+	+
Motor fuel anti-knock compounds (leaded)	PTFE 300			+	+	-
Motor fuel anti-knock compounds (unleaded)	+	+	+	+	+	+

## Chemical Resistance List Composite Hoses

Naphtha	+	+	+	+	+	+
Naphtha solvent	0	0	0	0	+	+
Naphthalene (in solution)	+	+	+	+	+	+
Naphthalene molten	-	-	-	-	-	-
Neohexane	+	+	+	+	+	+
Nickel chloride (Saturated)	+	-	-	-	+	-
Nickel salts, excluding chloride (Saturated)	+	+	-	-	+	-
Nitric acid (<10%)	+	+	-	-	+	-
Nitric acid (10-60%)	0	0	-	-	+	-
Nitric acid (>60%)						
Nitrobenzene	+	+	+	+	+	-
O-nitrophenol (soln)	+	+	-	-	+	+
Nitropropane	+	+	+	+	+	+
Nitrotoluene	+	+	+	+	+	+
Nonane	+	+	+	+	+	+
Nonyl alcohol	+	+	+	+	+	+
Nonylphenol	+	+	0	0	+	+
Octane	+	+	+	+	+	+
Octanol	+	+	+	+	+	+
Octyl acetate	0	0	0	0	+	+
Octyl acrylate	+	+	+	+	+	+
Oils most commercial	+	+	+	+	+	+
Oleic acid	+	+	-	-	+	-
Oleum	PTFE 300			-	+	-
Oxalic acid (< 50%)	+	+	-	-	+	-
Palm oil	+	+	+	+	+	+
Paraffin wax	+	+	+	+	+	+
Paraldehyde	0	0	0	0	+	+
Pentachloroethane	0	0	0	0	+	-
1, 3-pentadiene	0	0	0	0	+	+
Pentane	+	+	+	+	+	+
Pentanol	+	+	+	+	+	+
Pentanone	+	+	+	+	+	+
Pentene	+	+	+	+	+	+
Perchloric acid (<50%)	+	-	-	-	+	-
Perchloroethytene	0	0	0	0	+	+
Petrolatum	+	+	+	+	+	+
Petroleum	+	+	+	+	+	+
Petroleum ether	0	0	0	0	+	+
Petroleum naphtha	0	0	0	+	+	+

## Chemical Resistance List Composite Hoses

Phenol	+	+	+	-	+	+
Phenoxyethanol	0	0	0	0	+	+
Phenylhydrazine	0	0	-	-	+	-
Phosphoric acid (<95%)	+	+	-	-	+	-
Phosphorus oxychloride	<b>CHEMCHLOR</b>					
Phosphorus pentoxide	+	+	-	-	+	-
Phosphorus trichloride	+	-	-	-	+	-
Phosphorus	-	-	-	-	-	-
Phthalic acid (<50%)	+	+	-	-	+	-
Phthalic anhydride	-	-	-	-	-	-
Picric acid (1 %)	+	+	-	-	+	-
Pinene	+	+	+	+	+	+
Pine oil	+	+	+	+	+	+
Plasticisers most commercial	+	+	+	+	+	+
Polyethylene glycol	+	+	+	+	+	+
Polypropylene glycol	+	+	+	+	+	+
Polymethylene polyphenyl isocyanate	+	+	+	+	+	+
Potassium salts excluding halides (Saturated)	+	+	-	-	+	-
Potassium halides	+	-	-			
Propyl alcohol	+	+	+	+	+	+
Propenoic acid	+	+	-	-	+	+
Propiolactone	0	0	0	0	+	+
Propionaldehyde	0	0	0	0	+	+
Propionic acid	+	+	-	-	+	+
Propionic anhydride	0	0	-	-	+	+
Propyl acetate	0	0	0	0	+	+
Propylamine	+	+	-	-	+	+
Propylene glycol	+	+	+	+	+	+
Propylene glycol monomethyl ether	+	+	+	+	+	+
Propylene glycol monoethyl ether	+	+	+	+	+	+
Propylene oxide	<b>CRYOTEC</b>			+	+	+
Propylene (tetramer & trimer)	0	0	0	-	+	+
Prussic acid	+	+	-	-	+	-
Pyridine	+	+	-	-	+	+
Pyrosulphuric acid	<b>PTFE 300</b>					
Salt solutions excluding halides	+	+	-	0	+	+
Sea water	+	-	-	-	+	+
Sewage	+	+	-	0	+	+
Silicon oil	+	+	+	+	+	+
Silver salts excluding halides (Saturated)	+	+	-	0	+	+

## Chemical Resistance List Composite Hoses

Silver halides (Saturated)	+	-	-			
Soap solutions	+	+	+	+	+	+
Sodium salts excluding halides (Saturated)	+	+	-	0	+	+
Sodium chlorate (solution of 50% or less)	+	+	-	-	+	+
Sodium chloride (Saturated)	+	+	-	-	+	+
Sodium chromate	+	+	+	+	+	+
Sodium hydrosulphide	+	+	-	+	+	+
Sodium hypochlorite (< 15%)	0	0	-	-	+	-
Sodium hydroxide solution	+	+	0	0	+	+
Stannous, stannic salts excluding halides	+	+	-	-	+	+
Starch aqueous	+	+	+	+	+	+
Styrene monomer	+	+	+	+	+	+
Sugar syrup	+	+	+	+	+	+
Sulphamic acid	+	+	-	-	+	-
Sulpholane	-	-	-	-	-	-
Sulphonyl chloride.	CHEMCHLOR					
Sulphur chloride	CHEMCHLOR					
Sulphur dioxide	0	0	-	-	+	-
Sulphur molten	PTFE 300			-	-	-
Sulphuric acid (<20%)	+	+	-	+	+	-
Sulphuric acid (20-85%)	+	-	-			
Sulphuric acid (>85%)	0	0	-	+	+	-
Sulphurous acid	+	+	-	0	+	-
Sulphuryl chloride	-	-	-	-	-	-
Tall oil	+	+	+	+	+	+
Tallow	+	+	+	+	+	+
Tannic acid (< 10%)	+	+	-	-	+	+
Tartaric acid	+	+	-	-	+	+
Tetrachloroethane	0	0	0	0	+	+
Tetrachloroethylene	0	0	0	0	+	+
Tetraethylene glycol	+	+	+	+	+	+
Tetrahydrofuran	0	0	0	+	+	+
Thionyl chloride	CHEMCHLOR					
Tin salts excluding halides (Saturated)	+	+	-	+	+	+
Tin halides	+	-	-			
Titanium tetrachloride	CRYOTEC					
Toluene	0	0	0	0	+	+
Toluene diisocyanate	+	+	+	+	+	+
O- Toluidine	+	+	0	0	+	-
Transformer oil	+	+	+	+	+	+
Transmission oil	+	+	+	+	+	+

## Chemical Resistance List Composite Hoses

Tributylamine	+	+	+	+	+	+
Tributyl phosphate	+	+	+	+	+	+
Trichloroacetic acid (< 10%)	+	+	-			
Trichlorobenzene	○	○	○	+	+	+
Trichloroethane	○	○	○	+	+	+
Trichloroethylene	○	○	○	○	+	+
Trichloropropane	○	○	○	○	+	+
Tricresyl phosphate	+	+	+	+	+	+
Tridecanol	+	+	+	+	+	+
Triethanolamine	+	+	-	-	+	+
Triethylamine	+	+	-	-	+	+
Triethylbenzene	+	+	+	+	+	+
Triethylene glycol	+	+	+	+	+	+
Triethylene tetramine	+	+	-	-	+	+
Triisopropanolamine	+	+	-	-	+	+
Trimethyl acetic acid	+	+	-	-	+	+
Trimethylbenzene	+	+	+	+	+	+
Trioctyl phosphate	+	+	+	+	+	+
Tripropylene glycol	+	+	+	+	+	+
Tripropylene glycol monomethyl ether	○	○	○	○	+	+
Tritolyl phosphate	+	+	+	+	+	+
Trixylenyl phosphate	+	+	+	+	+	+
Turpentine	○	○	○	○	+	+
Urea aqueous	+	+	+	+	+	-
Urea / ammonium salt solns.	+	+	+	+	+	-
Urea / ammonia solution	+	+	+	+	+	-
Vateraldehyde	○	○	○	○	+	+
Varsol	+	+	+	+	+	+
Vaseline	+	+	+	+	+	+
Vegetable oils	+	+	+	+	+	+
Vinegar	+	+	-	-	+	+
Vinyl acetate	+	+	○	○	+	+
Vinyl chloride	CRYOTEC					
Vinyl ethyl ether	○	○	○	○	+	+
Vinylidene chloride	○	○	○	○	+	+
Vinyl toluene	+	+	○	○	+	+
Water	+	+	+	+	+	+
White spirit	+	+	+	+	+	+
Wine	+	+	-	-	+	-



## Chemical Resistance List Composite Hoses

Xylene	o	o	o	o	+	+
Xylenol	+	+	+	+	+	+
Yeast aqueous	+	+	-	-	+	+
Zinc salts aqueous excluding halides	+	+	-	+	+	+
Zinc halides	+	-	-			

This resistance list was developed to best of ones knowledge for general, unbinding information only and makes no claim to completeness !

The user is generally obliged to check the suitability of the hose for the specific medium in his own responsibility !