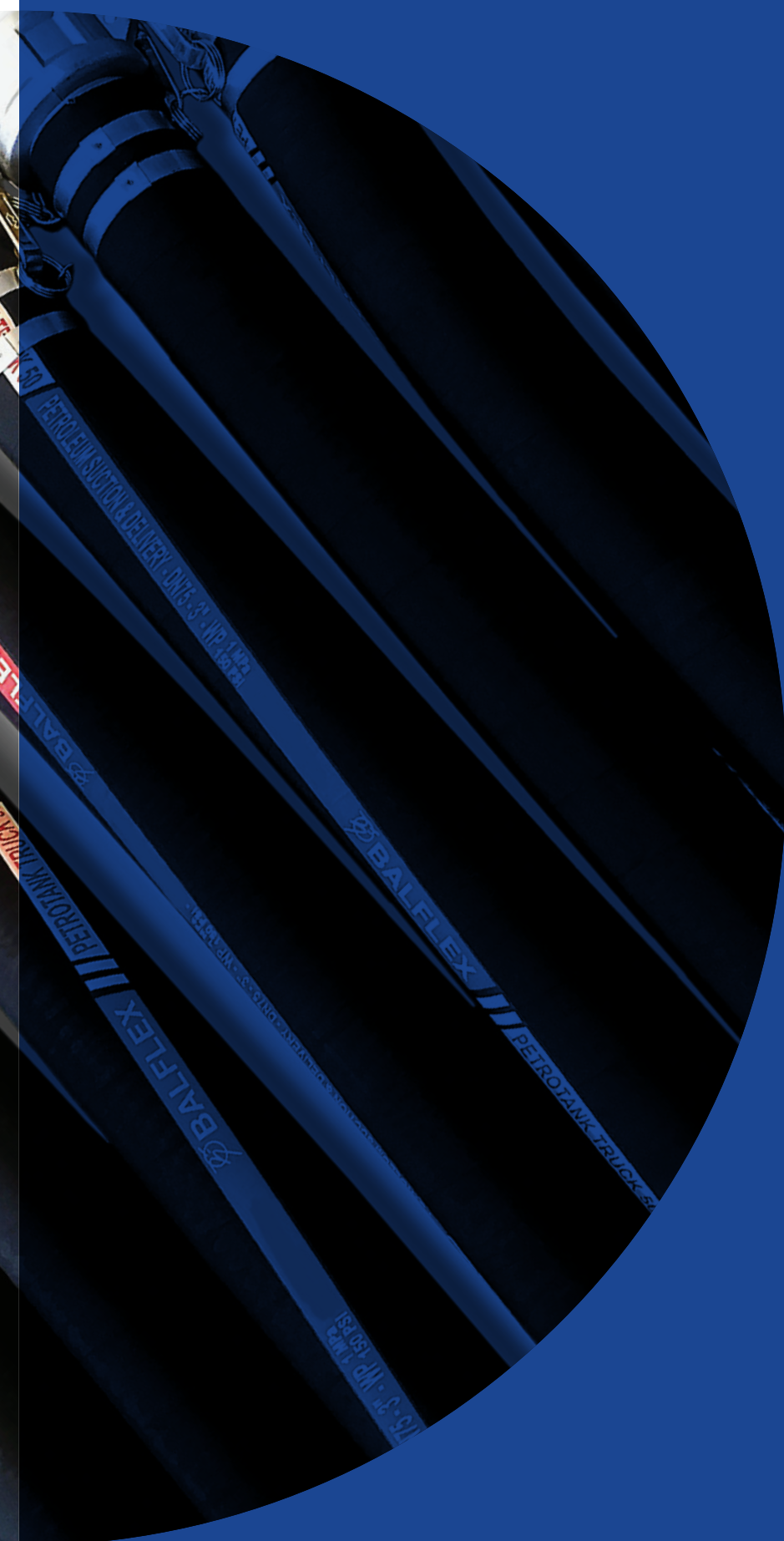


# Industrial Hoses

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## Industrial Hoses

*Balflex® Industrial Hoses are produced to Balflex® specifications and according to international standards, covering a wide variety of applications, with best chosen high quality grade polymers, with synthetic fibers or steel wire reinforcements, for a wide range of fluids and temperatures.*

*Balflex® optimized the production of these hoses and their compatibility with a wide range of connectors, in order to assure the highest performance and the most extensive range of applications.*

### The Balflex® industrial hose program includes:

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- × Long length textile Industrial Hoses
- × Mandrel built Industrial Hoses
- × Steel wire Industrial Hoses
- × High pressure steel spiral Waterbast Hoses

### General Guidelines

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Balflex® industrial hoses are designed with different safety factors (the ratio relating minimum burst pressure and recommended working pressure), according to the relevant in the application field. Working pressure and nominal diameter are always branded on the hose, except on hoses with external steel braid. Industrial hoses are designed for a variety of fluids and granulates applications with different temperature ranges. Special rubber compounds and lining materials allow exceeding ambient temperatures.

The following catalogue pages list the compatibility of the hose for different applications, working and minimum burst pressure, diameters, minimum bend radius and working temperature range. For additional data please consult our technical department.

Selection, assembly and installation of industrial hoses should follow Balflex® recommendations and the applicable field standards. Industrial

hose assemblies should always be inspected and hydrostatically tested before installation. All systems where new hoses have been installed should be tested against leakage and malfunction in an appropriate area.

Installations that not comply with an adequate geometry of the hose assembly may reduce significantly the life of the hose. Likewise, the use of wrongly dimensioned hoses or application in a system whose working characteristics exceed the hose specifications may shorten drastically the hose life.

The failure of an industrial hose assembly may be dangerous and expose people and property to irreversible damage. Among other occurrences that must be prevented are the high velocity and high temperature projection of conveyed fluid or granulate, the projection of couplings and it's parts, the whipping of unrestrained hose, spillage or combustion of the fluid or granulate and electrical shocks through contact with electrical sources.



# Industrial Hoses Resistance Chart

● Recommended     
 ● Recommended with Restrictions     
 ● Not Recommended

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Acetaldehyde	●	●	●	●	●	●	●	●	●
Acetic Acid, Glacial	●	●	●	●	●	●	●	●	●
Acetic Acid, 10%	●	●	●	●	●	●	●	●	●
Acetic Acid, 50%	●	●	●	●	●	●	●	●	●
Acetic Anhydride	●	●	●	●	●	●	●	●	●
Acetic Oxide	●	●	●	●	●	●	●	●	●
Acetone	●	●	●	●	●	●	●	●	●
Acetone Cyanohydrin	●	●	●	●	●	●	●	●	●
Acetonitrile	●	●	●	●	●	●	●	●	●
Acetophenone	●	●	●	●	●	●	●	●	●
Acetyl Acetone	●	●	●	●	●	●	●	●	●
Acetyl Chloride	●	●	●	●	●	●	●	●	●
Acetyl Oxide	●	●	●	●	●	●	●	●	●
Acetylene	●	●	●	●	●	●	●	●	●
Acetylene Dichloride	●	●	●	●	●	●	●	●	●
Acetylene Tetrachloride	●	●	●	●	●	●	●	●	●
Acrolein	●	●	●	●	●	●	●	●	●
Acrylonitrile	●	●	●	●	●	●	●	●	●
Acrylic Acid	●	●	●	●	●	●	●	●	●
Adipic Acid	●	●	●	●	●	●	●	●	●
Air, +300 °F	●	●	●	●	●	●	●	●	●
Alk-Tri	●	●	●	●	●	●	●	●	●
Allyl Alcohol	●	●	●	●	●	●	●	●	●
Allyl Bromide	●	●	●	●	●	●	●	●	●
Allyl Chloride	●	●	●	●	●	●	●	●	●
Alum	●	●	●	●	●	●	●	●	●
Aluminium Acetate	●	●	●	●	●	●	●	●	●
Aluminium Chloride	●	●	●	●	●	●	●	●	●
Aluminium Fluoride	●	●	●	●	●	●	●	●	●
Aluminium Formate	●	●	●	●	●	●	●	●	●
Aluminium Hydroxide	●	●	●	●	●	●	●	●	●
Aluminium Nitrate	●	●	●	●	●	●	●	●	●
Aluminium Sulfate	●	●	●	●	●	●	●	●	●
Amines-Mixed	●	●	●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Aminobenzene	●	●	●	●	●	●	●	●	●
Aminodimethylbenzene	●	●	●	●	●	●	●	●	●
Aminoethane	●	●	●	●	●	●	●	●	●
Aminoxylene	●	●	●	●	●	●	●	●	●
Ammonium Carbonate	●	●	●	●	●	●	●	●	●
Ammonium Chloride	●	●	●	●	●	●	●	●	●
Ammonium Hydroxide	●	●	●	●	●	●	●	●	●
Ammonium Nitrate	●	●	●	●	●	●	●	●	●
Ammonium Phosphate, Dibasic	●	●	●	●	●	●	●	●	●
Ammonium Sulfate	●	●	●	●	●	●	●	●	●
Ammonium Sulfide	●	●	●	●	●	●	●	●	●
Ammonium Thiosulfate	●	●	●	●	●	●	●	●	●
Amyl Acetate	●	●	●	●	●	●	●	●	●
Amyl Acetone	●	●	●	●	●	●	●	●	●
Amyl Alcohol	●	●	●	●	●	●	●	●	●
Amyl Bromide	●	●	●	●	●	●	●	●	●
Amyl Chloride	●	●	●	●	●	●	●	●	●
Amyl Ether	●	●	●	●	●	●	●	●	●
Amylamine	●	●	●	●	●	●	●	●	●
Anethole	●	●	●	●	●	●	●	●	●
Aniline	●	●	●	●	●	●	●	●	●
Aniline Dyes	●	●	●	●	●	●	●	●	●
Aniline Oil	●	●	●	●	●	●	●	●	●
Animal Fats	●	●	●	●	●	●	●	●	●
Antimony Pentachloride	●	●	●	●	●	●	●	●	●
Aqua Regia	●	●	●	●	●	●	●	●	●
Argon	●	●	●	●	●	●	●	●	●
Arsenic Acid	●	●	●	●	●	●	●	●	●
Asphalt	●	●	●	●	●	●	●	●	●
Astm Fuel A	●	●	●	●	●	●	●	●	●
Astm Fuel B	●	●	●	●	●	●	●	●	●
Astm Fuel C	●	●	●	●	●	●	●	●	●
Astm Oil No.1	●	●	●	●	●	●	●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Astm Oil No.2	●	●	●	●	●	●	●	●	●
Astm Oil No.3	●	●	●	●	●	●	●	●	●
Astm Oil No.4	●	●	●	●			●	●	●
Automatic Trasmission Fluid	●	●	●	●			●	●	●
Banana Oil	●		●	●			●	●	●
Barium Chloride	●	●	●	●	●	●	●	●	●
Barium Hydroxide	●	●	●	●	●	●	●	●	●
Barium Sulphide	●	●	●	●	●	●	●	●	●
Beer	●	●	●	●	●	●	●	●	●
Beet Sugar Liquors	●	●	●	●	●	●	●	●	●
Benzal Chloride			●				●		
Benzaldehyde	●	●	●	●	●	●	●	●	●
Benzene	●	●	●	●	●	●	●	●	●
Benzene Carboxylic Acid	●		●	●			●	●	●
Benzine		●	●	●	●	●	●	●	●
Benzoic Acid	●	●	●	●			●	●	●
Benzol	●	●	●	●	●	●	●	●	●
Benzotrichloride	●			●			●	●	●
Benzyl Acetate	●		●	●			●	●	●
Benzyl Alcohol	●	●	●	●			●	●	●
Benzyl Chloride	●	●	●	●			●	●	●
Benzyl Ether	●	●	●	●			●	●	●
Black Sulfate Liquor	●	●	●	●	●	●	●	●	●
Bleach	●	●	●	●	●	●	●	●	●
Borax Solution	●	●	●	●	●	●	●	●	●
Boric Acid	●	●	●	●	●	●	●	●	●
Brake Fluid (Hd-557)12 Days	●	●	●	●			●	●	●
Brine	●		●	●	●	●	●	●	●
Bromobenzene	●	●	●	●			●	●	●
Bromochlorometane	●		●	●	●	●	●	●	●
Bromoethane	●	●	●	●	●	●	●	●	●
Bromotoluene	●		●				●		●
Bunker Oil	●	●	●	●			●	●	●
Butadiene	●	●	●	●	●	●	●	●	●
Butane	●	●	●	●	●	●	●	●	●
Butanoic Acid	●		●	●			●	●	●
Butanol	●	●	●	●	●	●	●	●	●
Butanone	●	●	●	●	●	●	●	●	●
Butoxyethanol	●		●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Butyl Acetate	●	●	●	●	●	●	●	●	●
Butyl Acrylate	●	●	●	●	●	●	●	●	●
Butyl Alcohol	●	●	●	●	●	●	●	●	●
Butyl Aldehyde	●	●	●	●	●	●	●	●	●
Butyl Benzyl Phthalate	●		●	●	●	●	●	●	●
Butyl Carbitol	●	●	●	●			●	●	●
Butyl Cellosolve	●	●	●	●	●	●	●	●	●
Butyl Chloride	●		●	●			●	●	●
Butyl Ether	●	●	●	●	●	●	●	●	●
Butyl Ether Acetaldehyde	●		●	●			●	●	●
Butyl Ethyl Ether	●		●	●			●	●	●
Butyl Oleate	●	●	●	●			●	●	●
Butyl Phthalate	●	●	●	●	●	●	●	●	●
Butyl Stearate	●	●	●	●	●	●	●	●	●
Butylene	●	●	●	●			●	●	●
Butyraldehyde	●	●	●	●	●	●	●	●	●
Butyric Acid	●	●	●	●	●	●	●	●	●
Butyric Anhydride	●		●	●			●	●	●
Cadmium Acetate	●		●				●		●
Calcium Aluminate	●		●				●		●
Calcium Bichromate			●	●			●	●	●
Calcium Bisulfide	●	●	●	●			●	●	●
Calcium Chloride	●	●	●	●	●	●	●	●	●
Calcium Hydroxide	●	●	●	●	●	●	●	●	●
Calcium Hypochlorite	●	●	●	●	●	●	●	●	●
Calcium Nitrate	●	●	●	●			●	●	●
Calcium Sulfide	●	●	●	●			●	●	●
Calcium Acetate	●	●	●	●			●	●	●
Caprylic Acid	●		●				●		●
Carbamide	●		●	●	●	●	●	●	●
Carbitol	●	●	●	●	●	●	●	●	●
Carbolic Acid Phenol	●		●						●
Carbon Dioxide	●	●	●	●	●	●	●	●	●
Carbon Disulfide	●		●	●	●	●	●	●	●
Carbon Monoxide	●	●	●	●	●	●	●	●	●
Carbon Tetrachloride	●		●	●	●	●	●	●	●
Carbonic Acid	●	●	●	●	●	●	●	●	●
Castor Oil	●	●	●	●	●	●	●	●	●
Caustic Soda	●	●	●	●	●	●	●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Cellulosolve Acetate	●	●	●	●	●	●	●	●	●
Cellugard	●	●	●	●			●	●	●
Cetylic Acid	●	●	●	●	●	●	●	●	●
China Wood Oil	●	●	●	●	●	●	●	●	●
Chlorinated Solvents	●	●	●	●	●	●	●	●	●
Chloro-2-Propanone	●		●						●
Chloroacetic Acid	●	●	●	●	●	●	●	●	●
Chloroacetone	●	●	●	●	●	●	●	●	●
Chlorobenzene	●	●	●	●	●	●	●	●	●
Chlorobutane	●		●	●			●	●	●
Chlorodane	●	●	●	●			●	●	●
Chloroethyl Benzene	●		●	●			●	●	●
Chloroform	●	●	●	●	●	●	●	●	●
Chloropentane	●		●	●			●	●	●
Chlorosulfonic Acid	●	●	●	●	●	●	●	●	●
Chlorotoluene	●	●	●	●			●	●	●
Chlorox	●	●	●	●			●	●	●
Chrome Plating Solutions	●	●	●	●			●	●	●
Chromic Acid	●	●	●	●	●	●	●	●	●
Chromium Trioxide	●	●	●	●			●	●	●
Cinnamene	●	●	●	●			●	●	●
Cis-9-Octadecenoic Acid	●	●	●	●	●	●	●	●	●
Citric Acid	●	●	●	●	●	●	●	●	●
Coal Tar Oil	●	●	●	●	●	●	●	●	●
Coal Tar	●	●	●	●	●	●	●	●	●
Coal Tar Naphtha	●		●	●	●	●	●	●	●
Coconut Oil	●	●	●	●	●	●	●	●	●
Coke Oven Gas	●	●	●	●	●	●	●	●	●
Coolanol	●	●	●	●			●	●	●
Copper Chloride	●	●	●	●	●	●	●	●	●
Copper Cyanide	●	●	●	●	●	●	●	●	●
Copper Hydrate	●		●				●		●
Copper Hydroxide	●		●				●		●
Copper Sulfate	●	●	●	●	●	●	●	●	●
Corn Oil	●	●	●	●	●	●	●	●	●
Cottonseed Oil	●	●	●	●	●	●	●	●	●
Creosote	●	●	●	●	●	●	●	●	●
Cresols	●	●	●	●	●	●	●	●	●
Cresylic Acid	●	●	●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Crotonaldehyde	●	●	●	●	●	●	●	●	●
Crude Oil	●	●	●	●	●	●	●	●	●
Cumene	●	●	●	●			●	●	●
Cupric Hydroxide	●		●				●		●
Cupric Nitrate	●		●	●	●	●	●	●	●
Cupric Sulfate	●	●	●	●	●	●	●	●	●
Cutting Oil	●	●	●	●			●	●	●
Cyclohexane	●	●	●	●	●	●	●	●	●
Cyclohexanol	●	●	●	●	●	●	●	●	●
Cyclohexanone	●	●	●	●	●	●	●	●	●
Cyclopentane	●		●	●			●	●	●
Cyclopentanone	●		●				●		●
Cyclopenti I Alcohol				●			●	●	
D-Furaldehyde	●		●	●			●	●	●
Ddt In Kerosene	●	●	●	●			●	●	●
Decahydronaphthalene	●	●	●	●	●	●	●	●	●
Decalin	●	●	●	●	●	●	●	●	●
Decyl Alcohol	●		●	●			●	●	●
Decyl Aldehyde	●		●	●			●		●
Decyl Butyl Phthalate	●		●				●		●
Detergent, Water Solution	●	●	●	●	●	●	●	●	●
Developing Fluid	●	●	●	●			●	●	●
Dextron	●	●	●	●			●	●	●
Di (2Ethylhexyl)Adipate	●		●	●	●	●	●	●	●
Di (2Ethylhexyl) Phthalate	●	●	●	●	●	●	●	●	●
Di-Iso-Butylene	●	●	●	●	●		●	●	●
Di-Iso-Decyl Phthalate	●		●	●			●	●	●
Di-Iso-Propanolamine	●		●	●			●	●	●
Di-Iso-Propyl Ether	●		●	●	●	●	●	●	●
Di-Iso-Propyl Ketone	●	●	●	●	●		●	●	●
Di-P-Mentha-1,8-Diene	●		●	●			●	●	●
Diacetone Alcohol	●	●	●	●	●	●	●	●	●
Diacetylmethane		●	●	●			●	●	●
Diammonium Orthophosphate				●			●	●	
Diamyl Naphthalene	●		●		●	●			●
Diamylamine	●	●	●	●			●	●	●
Diamylene	●		●	●			●	●	●
Diamylphenol	●		●		●	●	●		●
Dibenzyl Ether	●	●	●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Dibromobenzene	●		●	●			●	●	●
Dibromomethane	●		●	●			●	●	●
Dibutyl Ether	●	●	●	●	●	●	●	●	●
Dibutyl Phthalate	●	●	●	●	●	●	●	●	●
Dibutyl Sebacate	●	●	●	●	●	●	●	●	●
Dibutylamine	●	●	●	●			●	●	●
Dicalcium Phosphate	●		●	●			●	●	●
Dichloroethylene	●		●	●	●	●	●	●	●
Dichloroacetic Acid	●	●	●	●	●	●	●	●	●
Dichlorobenzene	●	●	●	●			●	●	●
Dichlorobutane	●	●	●	●			●	●	●
Dichlorodifluoromethane	●	●	●	●	●	●	●	●	●
Dichloroethane	●	●	●	●	●	●	●	●	●
Dichloroethyl Ether	●		●	●			●	●	●
Dichlorohexane	●		●	●			●	●	●
Dichloromethane	●	●	●	●			●	●	●
Dichloropentane	●	●	●	●			●	●	●
Dichloropropane	●		●	●	●	●	●	●	●
Dichloropropene	●		●	●	●	●	●	●	●
Diesel Oil	●	●	●	●	●	●	●	●	●
Diethanol Amine	●	●	●	●			●	●	●
Diethylbenzene	●	●	●						●
Diethyl Ether	●	●	●	●	●	●	●	●	●
Diethyl Ketone	●		●	●	●	●	●	●	●
Diethyl Oxalate	●		●	●			●	●	●
Diethyl Phthalate	●		●	●	●	●	●	●	●
Diethyl Sebacate	●	●	●	●			●	●	●
Diethyl Sulfate	●	●	●	●			●	●	●
Diethyl Amine	●	●	●	●	●	●	●	●	●
Diethylene Glycol	●	●	●	●	●	●	●	●	●
Diethylene Oxide	●		●	●			●	●	●
Diethylenetriamine	●	●	●	●			●	●	●
Dihydroxy Succinic Acid	●		●	●			●	●	●
Dihydroxydiethyl Ether	●		●	●	●	●	●	●	●
Diisobutyl Ketone	●	●	●	●	●	●	●	●	●
Diisodecyl Phthalate	●		●	●	●	●	●	●	●
Diisooctyl Adipate	●		●	●			●	●	●
Diisooctyl Phthalate	●		●	●	●	●	●	●	●
Dimethyl Carbinol	●		●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Dimethyl Ketone	●	●	●	●	●	●	●	●	●
Dimethyl Phthalate	●	●	●	●	●	●	●	●	●
Dimethyl Sulfate	●		●	●	●	●	●	●	●
Dimethyl Sulfide	●		●	●			●	●	●
Dimethylamine	●	●	●	●	●	●	●	●	●
Dimethylaniline	●	●	●	●			●	●	●
Dimethylbenzene	●	●	●	●			●	●	●
Dimethylbutane	●		●						●
Dioxane	●	●	●	●	●	●	●	●	●
Dipentene	●	●	●	●			●	●	●
Dipentylamine	●	●	●	●			●	●	●
Dipropylene Glycol	●		●	●			●	●	●
Disodium Phosphate	●		●	●			●	●	●
Divinyl Benzene	●	●	●	●			●	●	●
Dowthermn, A And E	●	●	●	●			●	●	●
Dry Cleaning Fluids	●	●	●	●			●	●	●
Ethanoic Acid		●		●	●	●	●	●	
Ethanol	●	●	●	●	●	●	●	●	●
Ethanolamine	●	●	●	●			●	●	●
Ethers	●	●	●	●	●	●	●	●	●
Ethyl Acetate	●	●	●	●	●	●	●	●	●
Ethyl Acetoacetate	●	●	●	●			●	●	●
Ethyl Acetone	●		●	●			●	●	●
Ethyl Acrylate	●	●	●	●			●	●	●
Ethyl Alcohol	●	●	●	●	●	●	●	●	●
Ethyl Aldehyde	●		●	●	●	●	●	●	●
Ethyl Aluminium Dichloride	●		●				●		●
Ethyl Benzene	●	●	●	●	●	●	●	●	●
Ethyl Bromide	●	●	●	●	●	●	●	●	●
Ethyl Butyl Acetate	●		●				●		●
Ethyl Butyl Alcohol	●		●						●
Ethyl Cellulose	●	●	●	●	●	●	●	●	●
Ethyl Chloride	●	●	●	●	●	●	●	●	●
Ethyl Dichloride	●	●	●	●	●	●	●	●	●
Ethyl Ether	●	●	●	●	●	●	●	●	●
Ethyl Formate	●	●	●	●			●	●	●
Ethyl Iodide	●		●	●	●	●	●	●	●
Ethyl Oxalate	●	●	●	●			●	●	●
Ethyl Phthalate	●		●	●	●	●	●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Ethyl Silicate	●	●	●	●			●	●	
Ethyl-N-Butyl Ketone	●	●	●				●	●	●
Ethyl-1-Butanol	●		●	●			●	●	●
Ethylamine	●	●	●	●			●	●	●
Ethylene Chlorohydrin	●	●	●	●			●	●	●
Ethylene Diamine	●	●	●	●	●	●	●	●	●
Ethylene Dibromide	●	●	●	●	●	●	●	●	●
Ethylene Dichloride	●	●	●	●	●	●	●	●	●
Ethylene Glycol Monobutyl Ether	●	●	●	●	●	●	●	●	●
Ethylene Glycol Monoethyl Ether	●		●	●	●	●	●	●	●
Ethylene Glycol	●	●	●	●	●	●	●	●	●
Ethylene Oxide	●	●	●	●	●	●	●	●	●
Fatty Acids	●	●	●	●	●	●	●	●	●
Ferric Bromide	●		●				●		●
Ferric Chloride	●	●	●	●		●	●	●	●
Ferric Nitrate	●	●	●	●		●	●	●	●
Ferric Sulfate	●	●	●	●		●	●	●	●
Ferrous Acetate	●		●	●			●	●	●
Ferrous Chloride	●		●	●		●	●	●	●
Ferrous Sulfate	●	●	●	●		●	●	●	●
Fluoroboric Acid	●	●	●	●	●	●	●	●	●
Fluorine	●		●	●	●	●	●	●	●
Fluorosilicic Acid	●	●	●	●	●	●	●	●	●
Formaldehyde	●	●	●	●	●	●	●	●	●
Formalin	●	●	●	●	●	●	●	●	●
Formic Acid	●	●	●	●	●	●	●	●	●
Freon 113	●	●	●	●			●	●	●
Freon 12	●	●	●	●	●	●	●	●	●
Freon 22	●	●	●	●	●	●	●	●	●
Fuel A	●		●	●			●	●	●
Fuel B	●		●	●			●	●	●
Fuel Oil	●	●	●	●	●	●	●	●	●
Furan	●	●	●	●	●	●	●	●	●
Furfural	●	●	●	●	●	●	●	●	●
Fuel A (Astm)	●	●	●	●			●	●	●
Fuel B (Astm)	●	●	●	●			●	●	●
Fuel Oil	●	●	●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Furan	●	●	●	●	●	●	●	●	●
Furfural	●	●	●	●	●	●	●	●	●
Furfuran	●	●	●	●	●	●	●	●	●
Furfuryl Alcohol	●	●	●	●	●	●	●	●	●
Gallic Acid	●	●	●	●	●	●	●	●	●
Gallotannic Acid	●		●	●				●	●
Gasoline	●	●	●	●	●	●	●	●	●
Glacial Acrylic Acid	●		●	●			●	●	●
Gluconic Acid	●		●	●			●	●	●
Glucose	●	●	●	●	●	●	●	●	●
Glycerine	●	●	●	●	●	●	●	●	●
Glycerol	●	●	●	●	●	●	●	●	●
Glycogenic Acid	●		●	●			●	●	●
Glycols	●	●	●	●	●	●	●	●	●
Glyconic Acid	●		●	●			●	●	●
Glyclyl Alcohol									
Grease	●	●	●	●			●	●	●
Green Sulphate Liquor	●	●	●	●			●	●	●
Helium	●	●	●	●			●	●	●
Heptaldehyde	●	●	●	●			●	●	●
Heptanal	●	●	●	●			●	●	●
Heptane	●	●	●	●		●	●	●	●
Heptanoic Acid	●		●	●			●	●	●
Hexadecanoic Acid	●	●	●	●	●	●	●	●	●
Hexaldehyde	●	●	●	●	●	●	●	●	●
Hexane	●	●	●	●	●	●	●	●	●
Hexanol	●	●	●	●	●	●	●	●	●
Hexene	●	●	●	●			●	●	●
Hexyl Alcohol	●	●	●	●	●	●	●	●	●
Hexyl Methyl Ketone	●		●	●			●	●	●
Hexylamine	●		●	●			●	●	●
Hexylene Glycol	●		●	●			●	●	●
Histowax	●		●						●
Hydraulic & Motor Oil	●	●	●	●	●	●	●	●	●
Hydrazine	●	●	●	●			●	●	●
Hydrobromic Acid	●	●	●	●	●	●	●	●	●
Hydrochloric Acid	●	●	●	●	●	●	●	●	●
Hydrocyanic Acid	●	●	●	●			●	●	●
Hydrofluoric Acid	●	●	●	●	●	●	●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Hydrofluosilicic Acid	●	●	●	●	●	●	●	●	●
Hydrogen Chloride Anhydrous	●	●	●	●			●	●	●
Hydrogen Dioxide	●		●	●			●	●	●
Hydrogen Gas	●	●	●	●	●	●	●	●	●
Hydrogen Peroxide Over 10%	●	●	●	●	●	●	●	●	●
Hydrogen Peroxide 10%	●	●	●	●	●	●	●	●	●
Hydrogen Sulfide	●	●	●	●	●	●	●	●	●
Hydroxy Benzene	●		●	●			●	●	●
Hydroxyisobutyronirile	●		●	●			●	●	●
Hydroxytoluene	●	●	●	●			●	●	●
Iminodi-2-Propanol	●		●	●			●	●	●
Iminodiethanol	●	●	●	●			●	●	●
Iodine	●	●	●	●	●	●	●	●	●
Iodine Pentafluoride	●	●	●	●			●	●	●
Iodoform	●		●	●			●	●	●
Iso-Butanal	●	●		●	●	●	●	●	
Iso-Butylamine	●		●	●			●	●	●
Iso-Butylbromide	●		●	●			●	●	●
Iso-Butylcarbinol	●		●	●			●	●	●
Isocyanates	●		●	●	●	●	●	●	●
Isooctane	●	●	●	●	●	●	●	●	●
Isopropyl Acetate	●	●	●	●	●	●	●	●	●
Isopropyl Alcohol	●	●	●	●	●	●	●	●	●
Isopropyl Ether	●	●	●	●	●	●	●	●	●
Jet Fuels	●	●	●	●	●	●	●	●	●
Jp-4 Oil	●	●	●	●			●	●	●
Kerosene	●	●	●	●	●	●	●	●	●
Ketones	●	●	●	●	●	●	●	●	●
Lacquer Solvents	●	●	●	●	●	●	●	●	●
Lactic Acid - Cold	●	●	●	●	●	●	●	●	●
Lactic Acid - Hot	●	●	●	●	●	●	●	●	●
Lard	●	●	●	●	●	●	●	●	●
Lavender Oil	●	●	●	●			●	●	●
Lead Acetate	●	●	●	●	●	●	●	●	●
Lead Nitrate	●	●	●	●			●	●	●
Lead Sulfate	●		●	●	●	●	●	●	●
Lime	●		●	●	●	●	●	●	●
Lime Bleach	●	●	●	●			●	●	●
Lime Sulfur	●	●	●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Limone	●		●	●			●	●	●
Linoleic Acid	●	●	●	●			●	●	●
Linseed Oil	●	●	●	●	●	●	●	●	●
Liquid Petroleum Gas	●	●	●	●	●	●	●	●	●
Lubricating Oil	●	●	●	●	●	●	●	●	●
Lye Solutions	●	●	●	●			●	●	●
Mek	●	●	●	●	●	●	●	●	●
Magnesium Acetate	●	●	●	●			●	●	●
Magnesium Chloride	●	●	●	●	●	●	●	●	●
Magnesium Hydrate	●	●	●	●	●	●	●	●	●
Magnesium Hydroxyde	●	●	●	●	●	●	●	●	●
Magnesium Sulfate	●	●	●	●	●	●	●	●	●
Maleic Acid	●	●	●	●	●	●	●	●	●
Maleic Anhydride	●	●	●	●			●	●	●
Malic Acid	●	●	●	●	●	●	●	●	●
Manganous Sulfate	●		●	●			●	●	●
Mercury	●	●	●	●	●	●	●	●	●
Mercury Vapors	●	●	●	●			●	●	●
Mesityl Oxide	●	●	●	●			●	●	●
Methallyl Alcohol	●		●	●			●	●	●
Methallyl Chloride	●		●				●	●	●
Methane Carboxylic Acid (See Acetic Acid)				●	●				
Methanoic Acid	●	●	●	●	●	●	●	●	●
Methanol	●	●	●	●	●	●	●	●	●
Methoxy Ethanol	●		●	●	●	●	●	●	●
Methyl Acetate	●	●	●	●			●	●	●
Methyl Acetoacetate	●	●	●	●			●	●	●
Methyl Acetone	●	●	●	●	●	●	●	●	●
Methyl Allyl Chloride	●		●				●	●	●
Methyl Amyl Carbinol	●		●	●			●	●	●
Methyl Benzene	●	●	●	●	●	●	●	●	●
Methyl Bromide	●	●	●	●	●	●	●	●	●
Methyl Butane	●		●	●			●	●	●
Methyl Butyl Ketone	●	●	●	●	●	●	●	●	●
Methyl Carbitol				●			●	●	
Methyl Cellosolve	●	●	●	●	●	●	●	●	●
Methyl Chloride	●	●	●	●	●	●	●	●	●
Methyl Cyanide	●		●	●			●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Methyl Ethyl Ketone	●	●	●	●	●	●	●	●	●
Methyl Hexanol	●		●	●			●	●	●
Methyl Methacrilate	●	●	●	●	●	●	●	●	●
Methyl Normal Amyl Ketone	●			●			●	●	●
Methyl Propyl Ether	●		●	●			●	●	●
Methyl Salicylate	●		●	●	●	●	●	●	●
Methyl Styrene	●		●	●			●	●	●
Methyl Sulfide	●		●	●			●	●	●
Methyl-Iso-Amyl-Ketone	●		●						●
Methyl-2-Butanone	●	●	●	●			●	●	●
Methyl-2-Hexanone	●		●						●
Methyl-2-Pentanol	●		●	●			●	●	●
Methyl-2-Pentanone	●		●	●			●	●	●
Methyl-4-Isopropyl Benzene	●		●	●			●	●	●
Methyl Amyl Acetate	●								●
Methyl Amyl Alcohol	●		●	●			●	●	●
Methylcyclohexane	●		●	●			●	●	●
Methylene Bromide	●		●	●	●	●	●	●	●
Methylene Chloride	●	●	●	●	●	●	●	●	●
Methylethyl Ketone	●	●	●	●			●	●	●
Methyl Hexyl Ketone	●		●	●	●		●	●	●
Methyl Isobutyl Carbinol	●		●	●			●	●	●
Methylisobutyl Ketone	●	●	●	●	●	●	●	●	●
Methylisopropyl Ketone	●	●	●	●			●	●	●
Methylacetonitrile	●		●	●			●	●	●
Methylpropyl Carbinol	●		●				●		●
Methylpropyl Ketone	●		●	●	●	●	●	●	●
Mineral Oil	●	●	●	●	●	●	●	●	●
Mineral Spirits	●	●	●	●			●	●	●
Mobile Hf A	●	●	●	●			●	●	●
Molten Sulfur	●		●	●			●	●	●
Mono-Chloroacetic Acid	●	●	●	●	●	●	●	●	●
Monobutyl Ether	●	●	●	●			●	●	●
Monochlorobenzene	●	●	●	●	●	●	●	●	●
Monochlorodifluoromethane	●	●	●	●	●	●	●	●	●
Monoethanol Amine	●	●	●	●			●	●	●
Monoethyl Amine	●	●	●	●			●	●	●
Morpholine	●		●	●			●	●	●
Motor Oil, 40W	●		●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Mtbe			●				●	●	
Muriatic Acid	●	●	●	●			●	●	●
N-Butanal	●	●	●	●	●	●	●	●	●
N-Butylamine	●	●	●	●			●	●	●
N-Butylbenzene	●		●	●			●	●	●
N-Butylbromide	●		●	●			●	●	●
N-Butylbutyrate	●	●	●	●			●	●	●
N-Butylcarbinol	●		●	●	●	●	●	●	●
N-Nonyl Alcohol	●		●	●			●	●	●
N-Octane	●	●	●	●	●	●	●	●	●
Naphtha	●	●	●	●	●	●	●	●	●
Naphthalene	●	●	●	●	●	●	●	●	●
Naphthenic Acid	●	●	●	●			●	●	●
Natural Gas	●	●	●	●	●	●	●	●	●
Neohexane	●		●	●			●	●	●
Neon Gas	●	●	●	●			●	●	●
Neu-Tri	●		●				●		●
Nickel Acetate	●	●	●	●			●	●	●
Nickel Chloride	●	●	●	●	●	●	●	●	●
Nickel Nitrate	●		●	●	●	●	●	●	●
Nickel Sulfate	●	●	●	●	●	●	●	●	●
Nitric Acid, Conc	●		●	●			●	●	●
Nitric Acid, Red Fuming	●	●	●	●	●	●	●	●	●
Nitric Acid, 10%	●	●	●	●	●	●	●	●	●
Nitric Acid, 13N	●						●	●	
Nitric Acid, 13N +5%	●						●	●	
Nitric Acid, 20%	●	●	●	●	●	●	●	●	●
Nitric Acid, 30%	●	●	●	●	●	●	●	●	●
Nitric Acid, 30% - 70%	●	●	●	●	●	●	●	●	●
Nitroltriethanol	●	●	●	●	●	●	●	●	●
Nitrobenzene	●	●	●	●	●	●	●	●	●
Nitroethane	●	●	●	●			●	●	●
Nitrogen	●	●	●	●	●	●	●	●	●
Nitromethane	●	●	●	●			●	●	●
Nitrous Oxide Gas				●			●	●	
Nonanoic Acid	●		●		●	●	●		●
Nonanol	●		●	●			●	●	●
Octanoic Acid	●		●				●		●
Octanol	●	●	●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Octyl Acetate	●	●	●	●	●	●	●	●	●
Octyl Alcohol	●	●	●	●			●	●	●
Octyl Aldehyde	●		●		●	●	●		●
Octyl Amine	●		●	●			●	●	●
Octyl Carbinol	●		●	●			●	●	●
Octylene Glycol	●		●	●			●	●	●
Oil-Petroleum		●			●	●			
Oleic Acid	●	●	●	●	●	●	●	●	●
Oleum	●	●	●	●	●	●	●	●	●
Olive Oil	●	●	●	●			●	●	●
Ortho-Dichlorobenzene	●	●	●	●			●	●	●
Ortho-Dichlorobenzol	●	●	●	●			●	●	●
Orthoxylene	●	●	●	●			●	●	●
Oxalic Acid	●	●	●	●	●	●	●	●	●
Ozone	●	●	●	●	●	●	●	●	●
P-Cymene	●		●	●			●	●	●
Paint Thinner	●	●	●	●			●	●	●
Palmitic Acid	●	●	●	●	●	●	●	●	●
Papermakers Alum									
Para-Dichlorobenzene	●	●	●	●			●	●	●
Paraffin Wax	●		●	●			●	●	●
Paraldehyde	●		●	●			●	●	●
Paraxylene	●		●	●			●	●	●
Pelargonic Alcohol	●		●	●	●	●	●	●	●
Pentachloroethane	●		●				●	●	●
Pentamethylene	●		●	●			●	●	●
Pentane	●	●	●	●	●	●	●	●	●
Pentanol	●		●		●	●			●
Pentanone	●		●	●			●	●	●
Pentasol	●	●	●	●	●	●	●	●	●
Pentyl Acetate	●	●	●	●	●	●	●	●	●
Pentyl Alcohol	●	●	●	●	●	●	●	●	●
Pentyl Bromide	●		●	●			●	●	●
Pentyl Chloride	●	●	●	●	●	●	●	●	●
Pentyl Ether	●		●	●			●	●	●
Pentylamine	●		●	●			●	●	●
Perchloric Acid	●	●	●	●	●	●	●	●	●
Perchloroethylene	●	●	●	●	●	●	●	●	●
Perchloromethane	●		●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Petroleum Crude	●	●	●	●	●	●	●	●	●
Petroleum Ether	●	●	●	●			●	●	●
Petroleum Oils	●	●	●	●	●	●	●	●	●
Phenol	●	●	●	●	●	●	●	●	●
Phenolsulfonic Acid	●	●	●	●			●	●	●
Phenylamine	●		●	●	●	●	●	●	●
Phenylbromide	●		●						●
Phenylmethane	●		●	●	●	●	●	●	●
Phenylmethanol	●		●	●			●	●	●
Phosphate Esters	●	●	●	●			●	●	●
Phosphoric Acid 10%	●	●	●	●	●	●	●	●	●
Phosphoric Acid 10% - 85%	●	●	●	●	●	●	●	●	●
Phosphorus Trichloride	●	●	●	●	●	●	●	●	●
Picric Acid, H2O Solution	●	●	●	●			●	●	●
Pine Oil	●	●	●	●	●	●	●	●	●
Pinene	●	●	●	●			●	●	●
Polyethylene Glycol E-400	●		●	●			●	●	●
Polyol Ester				●			●	●	
Polypropylene Glycol	●		●		●	●	●	●	●
Potassium Acetate	●	●	●	●			●	●	●
Potassium Bisulfate	●	●	●	●			●	●	●
Potassium Bisulfite	●	●	●	●			●	●	●
Potassium Carbonate	●	●	●	●	●	●	●	●	●
Potassium Chloride	●	●	●	●	●	●	●	●	●
Potassium Chromate	●	●	●	●			●	●	●
Potassium Cyanide	●	●	●	●	●	●	●	●	●
Potassium Dichromate	●	●	●	●	●	●	●	●	●
Potassium Hydrate	●	●	●		●	●			●
Potassium Hydroxyde	●	●	●	●	●	●	●	●	●
Potassium Nitrate	●	●	●	●	●	●	●	●	●
Potassium Permanganate, 5%	●	●	●	●	●	●	●	●	●
Potassium Silicate	●	●	●	●			●	●	●
Potassium Sulfate	●	●	●	●	●	●	●	●	●
Potassium Sulfide	●	●	●	●			●	●	●
Potassium Sulfite	●	●	●	●	●	●			●
Prestone Antifreeze	●	●	●	●			●	●	●
Producer Gas	●	●	●	●			●	●	●
Propane	●	●	●	●	●	●	●	●	●
Propanediol	●	●	●	●	●	●	●	●	●



Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Propanetriol	●	●	●	●	●	●	●	●	●
Propanol	●	●	●	●	●	●	●	●	●
Propanone	●	●	●	●	●	●	●	●	●
Propenol	●		●						●
Propanediamine	●		●			●			●
Propene Nitrile	●		●		●	●	●	●	
Propenyl Alcohol	●		●	●	●	●	●	●	●
Propenyl Anisole	●		●		●	●	●		●
Propionic Acid	●	●	●	●			●	●	●
Propionitrile	●		●	●			●	●	
Propyl Acetate	●	●	●	●	●	●	●	●	●
Propyl Alcohol	●	●	●	●	●	●	●	●	●
Propyl Aldehyde	●		●	●			●	●	●
Propyl Benzene	●		●				●	●	●
Propyl Chloride	●		●	●			●	●	●
Propyl Nitrate	●	●	●	●			●	●	●
Propylene	●	●	●	●			●	●	●
Propylene Diamine	●		●				●		●
Propylene Glycol	●	●	●	●	●	●	●	●	●
Pydraul, 'E' Series	●	●	●	●			●	●	●
Pydraulic 'C'	●	●	●	●			●	●	●
Red Oil	●	●	●	●	●	●	●	●	●
Refrigerant 11	●	●	●		●	●			●
Refrigerant 12	●	●	●		●	●			●
Refrigerant 22	●	●	●		●	●			●
Resorcinol	●	●	●	●			●	●	●
Sae No. 10 Oil	●	●	●	●			●	●	●
Sal Ammoniac	●	●	●	●	●	●	●	●	●
Sea Water	●	●	●	●	●	●	●	●	●
Sewage	●	●	●	●	●	●	●	●	●
Silicate Esters	●	●	●	●			●	●	●
Silicate Of Soda	●	●	●	●			●	●	●
Silicone Grease	●	●	●	●	●	●	●	●	●
Silicone Oil	●	●	●	●	●	●	●	●	●
Silver Nitrate	●	●	●	●	●	●	●	●	●
Skydrol 500 Type 2	●	●	●	●			●	●	●
Skydrol 500B	●	●	●	●			●	●	●
Skydrol 500C	●	●	●	●			●	●	●
Skydrol 7000 Type 2	●	●	●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Soap Solutions	●	●	●	●	●	●	●	●	●
Soda Ash	●	●	●	●	●	●	●	●	●
Soda Lime	●		●	●			●	●	●
Soda Niter	●	●	●	●	●	●	●	●	●
Sodium Acetate	●	●	●	●	●	●	●	●	●
Sodium Aluminate	●	●	●	●			●	●	●
Sodium Bicarbonate	●	●	●	●	●	●	●	●	●
Sodium Bisulfate	●	●	●	●	●	●	●	●	●
Sodium Bisulfite	●	●	●	●	●	●	●	●	●
Sodium Borate	●	●	●	●	●	●	●	●	●
Sodium Carbonate	●	●	●	●	●	●	●	●	●
Sodium Chloride	●	●	●	●	●	●	●	●	●
Sodium Cyanide	●	●	●	●	●	●	●	●	●
Sodium Dichromate	●	●	●	●			●	●	●
Sodium Hydrate	●	●	●	●	●	●	●	●	●
Sodium Hydrochlorite	●	●	●	●			●	●	●
Sodium Hydroxide	●	●	●	●	●	●	●	●	●
Sodium Hypochlorite	●	●	●	●	●	●	●	●	●
Sodium Metaphosphate	●	●	●	●	●	●	●	●	●
Sodium Nitrate	●	●	●	●	●	●	●	●	●
Sodium Perborate	●	●	●	●			●	●	●
Sodium Peroxide	●	●	●	●	●	●	●	●	●
Sodium Phosphate	●	●	●	●	●	●	●	●	●
Sodium Silicate	●	●	●	●	●	●	●	●	●
Sodium Sulfate	●	●	●	●	●	●	●	●	●
Sodium Sulfide	●	●	●	●	●	●	●	●	●
Sodium Sulfite	●	●	●	●	●	●	●	●	●
Sodium Thiosulfate	●		●	●	●	●	●	●	●
Soybean Oil	●	●	●	●			●	●	●
Stannic Chloride	●	●	●	●	●	●	●	●	●
Stannic Sulfide	●		●	●			●	●	●
Stannous Chloride	●	●	●	●	●	●	●	●	●
Stannous Sulfide	●		●	●			●	●	●
Steam, Below 350 Deg F	●	●	●	●	●	●	●	●	●
Stearic Acid	●	●	●	●	●	●	●	●	●
Stoddard Solvent	●	●	●	●	●	●	●	●	●
Styrene	●	●	●	●	●	●	●	●	●
Sulfamic Acid	●		●	●			●	●	●
Sulfur	●	●	●	●	●	●	●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Sulfur Chloride	●	●	●	●			●	●	
Sulfur Dioxide	●	●	●	●			●	●	●
Sulfur Trioxide, Dry	●	●	●	●	●	●	●	●	●
Sulfuric Acid 60%	●	●	●	●	●	●	●	●	●
Sulfuric Acid, Conc.	●	●	●	●	●	●	●	●	●
Sulfuric Acid, Fuming	●	●	●	●	●	●	●	●	●
Sulfuric Acid, 25%	●	●	●	●	●	●	●	●	●
Sulfuric Acid, 25%-50%	●	●	●	●	●	●	●	●	●
Sulfuric Acid, 50%-96%	●	●	●	●	●	●	●	●	●
Sulfurous Acid, 10%	●	●	●	●	●	●	●	●	●
Sulfurous Acid, 10%-75%	●	●	●	●	●	●	●	●	●
T-Butyl Amine	●		●	●			●	●	●
Tall Oil	●	●	●	●			●	●	●
Tallow	●	●	●	●	●	●	●	●	●
Tannic Acid	●	●	●	●	●	●	●	●	●
Tar	●	●	●	●	●	●	●	●	
Tar Bituminous	●	●	●	●			●	●	●
Tartaric Acid	●	●	●	●	●	●	●	●	●
Tellone 2	●								
Tertiary Butyl Alcohol	●	●	●	●			●	●	●
Terpineol	●	●	●						●
Tertiary Butyl Amine	●		●	●			●	●	●
Tertiary Butyl Mercaptan	●	●	●	●			●	●	●
Tetrachlorobenzene	●		●	●			●	●	●
Tetrachloroethane	●	●	●	●	●	●	●	●	●
Tetrachloroethylene	●	●	●	●	●	●	●	●	●
Tetrachloromethane	●		●	●	●	●	●	●	●
Tetrachloronaphthalene	●		●	●	●	●	●	●	●
Tetraethylene Glycol	●		●	●			●	●	●
Tetraethylorthosilicate	●		●	●			●	●	
Tetrahydrofuran	●	●	●	●			●	●	●
Tin Chloride	●		●	●	●	●	●	●	●
Titanium Tetrachloride	●	●	●	●			●	●	●
Toluene	●	●	●	●	●	●	●	●	●
Toluidine	●		●	●	●	●	●	●	●
Toluol	●	●	●	●	●	●	●	●	●
Transformer Oil	●	●	●	●	●	●	●	●	●
Transmission 'A' Oil	●		●	●			●	●	●
Tri-Amine	●		●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Tributyl Phosphate	●	●	●	●			●		●
Tributylamine	●		●				●		●
Trichloroacetic Acid	●	●	●	●			●	●	●
Trichlorobenzene	●	●	●	●	●	●	●	●	●
Trichloroethane	●	●	●	●			●	●	●
Trichloroethylene	●	●	●	●	●	●	●	●	●
Trichloromethane	●	●	●	●	●	●	●	●	●
Trichlorotoluene	●			●			●	●	●
Tricresyl Phosphate	●	●	●	●			●	●	●
Triethanolamine	●	●	●	●	●	●	●	●	●
Triethylamine	●	●	●	●			●	●	●
Triethylene Glycol	●		●	●	●	●	●	●	●
Trihydroxybenzoic Acid	●		●	●			●	●	●
Trimethyl Pentane	●	●	●	●			●	●	●
Trimethylamine	●		●	●			●	●	●
Trisodium Phosphate	●	●	●	●	●	●	●	●	●
Tritoyl Phosphate	●	●	●	●			●	●	●
Tung Oil	●	●	●	●	●	●	●	●	●
Tung Oil	●	●	●	●	●	●	●	●	●
Turpentine	●	●	●	●	●	●	●	●	●
Unsymmetrical Dimethyl Hydrazine	●	●	●	●			●	●	●
Undecyl Alcohol	●		●	●			●	●	●
Urea	●		●	●	●	●	●	●	●
Uric Acid	●		●	●			●	●	●
Varnish	●	●	●	●	●	●	●	●	●
Vegetable Oils	●	●	●	●	●	●	●	●	●
Versilube F44	●	●	●	●			●	●	●
Versilube F55	●	●	●	●			●	●	●
Vinegar	●	●	●	●	●	●	●	●	●
Vinegar Acid	●		●		●	●			●
Vinyl Acetate	●	●	●	●	●	●	●	●	●
Vinyl Benzene	●	●	●	●	●	●	●	●	●
Vinyl Chloride	●	●	●	●	●	●	●	●	●
Vinyl Cyanide	●	●	●	●	●	●	●	●	●
Vinyl Ether	●		●				●		●
Vinyl Toluene	●		●	●			●	●	●
Vinyl Trichloride	●		●	●			●	●	●
Vm & Naphtha	●	●	●	●			●	●	●





Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
Water	●	●	●	●	●	●	●	●	●
Water, Boiling	●		●	●			●	●	●
Water, Soda					●	●			
Wemco C	●	●	●	●			●	●	●
Whiskey	●	●	●	●	●	●	●	●	●
White Oil	●	●	●	●	●	●	●	●	●
White Pine Oil	●	●	●	●			●	●	●
Wines	●	●	●	●	●	●	●	●	●
Wood Alcohol	●	●	●	●	●	●	●	●	●
Wood Oil	●	●	●	●	●	●	●	●	●
Xenon	●	●	●	●			●	●	●
Xylene, Xylon	●	●	●	●	●	●	●	●	●
Xylidine	●	●	●	●			●	●	●
Zeolites	●	●	●	●			●	●	●
Zinc Acetate	●	●	●	●			●	●	
Zinc Carbonate	●		●	●			●	●	●
Zinc Chloride	●	●	●	●	●	●	●	●	●
Zinc Chromate	●		●	●			●	●	●
Zinc Sulfate	●	●	●	●	●	●	●	●	●
0-Aminotoluene	●		●	●			●	●	●
1 Undecanol	●	●	●	●	●	●	●	●	●
1-Amino-2-Propanol	●		●	●			●	●	●
1-Aminobutane	●	●	●	●			●	●	●
1-Aminopentane	●		●	●			●	●	●
1-Bromo-2-Methyl Propane	●		●	●			●	●	●
1-Bromo-3-Methyl Butane	●		●	●			●	●	●
1-Bromobutane	●		●	●			●	●	●
1-Chloro-2-Methyl Propane	●		●	●			●	●	●
1-Chloro-3-Methyl Butane	●		●	●			●	●	●
1-Decanol	●		●	●	●	●	●	●	●
1-Hendecanol	●		●	●			●	●	●
1,4-Dioxane	●		●	●	●		●	●	●
2(2Aminoethylamino) Ethanol	●		●				●	●	
2(2Ethoxyethoxy) Ethanol	●	●	●	●			●	●	●
2(2Ethoxyethoxy) Ethyl Acetate	●	●	●	●			●	●	●
2-Aminoethanol	●	●	●	●			●	●	●
2-Chloro-1-Hydroxy-Benzene	●		●	●			●	●	●

Fluids	COMPOUND								
	NR	SBR	IIR	EPDM	XLPE	UHMWPE	NBR	CR	CSM
2-Chlorophenol	●	●	●	●			●	●	●
2-Chloropropane	●	●	●	●			●	●	●
2-Ethoxyethanol	●	●	●	●	●	●	●	●	●
2-Ethoxyethyl Acetate	●		●	●	●	●	●	●	●
2-Ethyl	●		●				●		●
2-Ethyl-1-Hexanol	●	●	●	●	●	●	●	●	●
2-Ethyl hexanoic Acid	●		●				●		●
2-Ethylhexyl Acetate	●		●	●	●		●		●
2-Octanone	●		●	●			●	●	
3-Bromopropene	●		●	●			●	●	●
3-Chloropropene	●	●	●	●	●	●	●	●	●
3-Coal Oil	●		●	●			●	●	●
4-Hydroxy-4-Methyl-2-Pentanone	●	●	●	●	●	●	●	●	●






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. Note: All data based on 20°C/70°F unless otherwise noted.

# AIRMASTER AIR & WATER



Exceeds ISO 2398 - Type 3 / Class B / N-T - 10.1232

Air & Water 2.0MPa / 300PSI (100% rubber hose)

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1232.04	1/4"	6,0	13,0	2,0	300	6,0	900	60
10.1232.05	5/16"	8,0	15,0	2,0	300	6,0	900	80
10.1232.06	3/8"	10,0	16,0	2,0	300	6,0	900	100
10.1232.08	1/2"	13,0	21,0	2,0	300	6,0	900	125
10.1232.10	5/8"	16,0	26,0	2,0	300	6,0	900	160
10.1232.12	3/4"	19,0	29,0	2,0	300	6,0	900	190
10.1232.16	1"	25,0	36,0	2,0	300	6,0	900	254

**INNER TUBE:** :seamless air and water resistant synthetic rubber  
**REINFORCEMENT:** 2 high resistance synthetic fiber braid

**OUTER TUBE:** black, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** heavy works on mining, construction, steel plants, quarries and air compressors

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)

**BALFLEX AIRMASTER - 1/4" - 6.3 mm - WP 2 MPa / 300 PSI - ISO 2398:2015 - TYPE 3 / CLASS B / N-T**








# BALDRILL MINE AIR & WATER



According to BS EN ISO 2398 - Type 3 / Class B / N-T / Rigid rubber heavy mandrel hose for delivery of Air and Water 2.0MPa / 300PSI - 10.1233

Reinforced with several high resistance synthetic fiber braids

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1233.04	1/4"	6,0	14,0	<b>2,0</b>	300	<b>6,0</b>	900	60
10.1233.05	5/16"	8,0	17,0	<b>2,0</b>	300	<b>6,0</b>	900	80
10.1233.06	3/8"	10,0	19,0	<b>2,0</b>	300	<b>6,0</b>	900	100
10.1233.08	1/2"	13,0	21,0	<b>2,0</b>	300	<b>6,0</b>	900	125
10.1233.10	5/8"	16,0	26,0	<b>2,0</b>	300	<b>6,0</b>	900	160
10.1233.12	3/4"	19,0	30,0	<b>2,0</b>	300	<b>6,0</b>	900	190
10.1233.16	1"	25,0	36,0	<b>2,0</b>	300	<b>6,0</b>	900	254
10.1233.20	1.1/4"	31,8	44,0	<b>2,0</b>	300	<b>6,0</b>	900	320
10.1233.24	1.1/2"	38,1	50,0	<b>2,0</b>	300	<b>6,0</b>	900	380
10.1233.32	2"	50,8	65,0	<b>2,0</b>	300	<b>6,0</b>	900	510
10.1233.40	2.1/2"	63,5	79,0	<b>2,0</b>	300	<b>6,0</b>	900	635
10.1233.48	3"	76,2	92,0	<b>2,0</b>	300	<b>6,0</b>	900	762
10.1233.64	4"	101,6	118,0	<b>2,0</b>	300	<b>6,0</b>	900	1016
10.1233.96	6"	152,4	170,0	<b>2,0</b>	300	<b>6,0</b>	900	1524

**INNER TUBE:** seamless air and water resistant synthetic rubber

**REINFORCEMENT:** several high resistance synthetic fiber braids

**OUTER TUBE:** yellow, weather and abrasion resistant synthetic rubber

**SAFETY FACTOR:** 3:1

**APPLICATION:** heavy works on mining, construction, steel plants, perforation and quarries

**TEMPERATURE RANGE:** -35°C (-31°F) +85°C (+185°F)






**BALFLEX / BALDRILL MINE AIR & WATER - DN6 - 1/4" - 6.3mm - ISO 2398:2015 - TYPE 3 / CLASS B / N-T - WP 2 MPa 300 PSI - Flame Resistant - MSHA IC-252/00**

# BALDRILL MINE AIR & WATER BLACK



According to BS EN ISO 2398 - Type 3 / Class B / N-T / Rigid rubber heavy mandrel hose for delivery of Air and Water 2.0MPa / 300PSI – 10.1233.B

Reinforced with several high resistance synthetic fiber braids

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1233.04B	1/4"	6,0	14,0	2,0	300	6,0	900	60
10.1233.05B	5/16"	8,0	17,0	2,0	300	6,0	900	80
10.1233.06B	3/8"	10,0	19,0	2,0	300	6,0	900	100
10.1233.08B	1/2"	13,0	21,0	2,0	300	6,0	900	125
10.1233.10B	5/8"	16,0	26,0	2,0	300	6,0	900	160
10.1233.12B	3/4"	19,0	29,0	2,0	300	6,0	900	190
10.1233.16B	1"	25,0	36,0	2,0	300	6,0	900	254
10.1233.20B	1.1/4"	31,8	43,0	2,0	300	6,0	900	320
10.1233.24B	1.1/2"	38,1	50,0	2,0	300	6,0	900	380
10.1233.32B	2"	50,8	64,0	2,0	300	6,0	900	510
10.1233.40B	2.1/2"	63,5	77,0	2,0	300	6,0	900	635
10.1233.48B	3"	76,2	90,0	2,0	300	6,0	900	762
10.1233.64B	4"	101,6	118,0	2,0	300	6,0	900	1016
10.1233.96B	6"	152,4	175,0	2,0	300	6,0	900	1524

**INNER TUBE:** seamless air and water resistant synthetic rubber  
**REINFORCEMENT:** several high resistance synthetic fiber braids

**OUTER TUBE:** black wrapped, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** heavy works on mining, construction, steel plants, perforation and quarries

**TEMPERATURE RANGE:** -35°C (-31°F) +85°C (+185°F)

**BALFLEX / BALDRILL MINE AIR & WATER - DN6 - 1/4" - 6.3mm - ISO 2398:2015 - TYPE 3 / CLASS B / N-T - WP 2 MPa 300 PSI - Flame Resistant - MSHA IC-252/00**






# PETROTANK 50 S&D



Rigid rubber mandrel PETROTANK TRUCK hose for suction and delivery of Petroleum, Gasoline, Oil and Fuel – 10.1245

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line with aromatic content up to 50%

#	inch	SAE Dash				PSI		PSI		
			mm	mm	MPa		MPa		mm	kg/m
10.1245.025	1"	-16	25,4	35,0	1,0	150	3,0	450	600	0,71
10.1245.032	1 1/4"	-20	31,8	42,0	1,0	150	3,0	450	600	0,96
10.1245.040	1 1/2"	-24	38,1	48,0	1,0	150	3,0	450	600	1,24
10.1245.050	2"	-32	50,8	62,0	1,0	150	3,0	450	600	1,7
10.1245.063	2 1/2"	-40	63,5	75,0	1,0	150	3,0	450	600	2,36
10.1245.075	3"	-48	76,2	90,0	1,0	150	3,0	450	600	3,11
10.1245.100	4"	-64	101,6	117,0	1,0	150	3,0	450	600	3,97
10.1245.125	5"	-80	127,0	143,0	1,0	150	3,0	450	600	7,76
10.1245.150	6"	-96	152,4	168,0	1,0	150	3,0	450	600	8,95
10.1245.200	8"	-128	203,0	225,0	1,0	150	3,0	450	600	13,43

**INNER TUBE:** synthetic smooth elastomer compound resistant to mineral oil products and fuel mixtures with aromatic content up to 50%, with antistatic characteristics  
**REINFORCEMENT:** high tensile synthetic textile cords, steel helix, one crossing antistatic wire

**OUTER TUBE:** black wrapped, high oil, weather, heat, abrasion and ozone resistant blend of synthetic elastomer compound  
**SAFETY FACTOR:** 3:1

**APPLICATION:** tank truck hose for transport, suction & delivery, of mineral oil products and fuel mixtures with aromatic content up to 50%.

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)





# PETRO OILTANK 50



## PETRO OILTANK 50 DELIVERY PETROLEUM – 10.1249.

Rigid rubber mandrel OILTANK TRUCK hose for delivery of Petroleum, Gasoline, Oil and Fuel

#	inch	SAE Dash				PSI		PSI		
			mm	mm	MPa		MPa		mm	kg/m
10.1249.025	1"	-16	25,4	35,0	1,0	150	3,0	450	272	0,71
10.1249.032	1.1/4"	-20	31,8	42,0	1,0	150	3,0	450	330	0,96
10.1249.040	1.1/2"	-24	38,1	48,0	1,0	150	3,0	450	397	1,24
10.1249.050	2"	-32	50,8	62,0	1,0	150	3,0	450	510	1,7
10.1249.063	2.1/2"	-40	63,5	75,0	1,0	150	3,0	450	652	2,36
10.1249.075	3"	-48	76,2	90,0	1,0	150	3,0	450	812	3,11
10.1249.100	4"	-64	101,6	117,0	1,0	150	3,0	450	1100	3,97
10.1249.125	5"	-80	127,0	143,0	1,0	150	3,0	450	1270	7,76
10.1249.150	6"	-96	152,4	168,0	1,0	150	3,0	450	1524	8,95

**INNER TUBE:** synthetic smooth elastomer compound resistant to mineral oil products and fuel mixtures with aromatic content up to 50%, with antistatic characteristics

**REINFORCEMENT:** high tensile synthetic textile cords, one crossing antistatic wire

**OUTER TUBE:** black wrapped, high oil, weather, heat, abrasion and ozone resistant blend of synthetic elastomer compound

**SAFETY FACTOR:** 3:1

**APPLICATION:** tank truck hose for transport, delivery, of mineral oil products and fuel mixtures with aromatic content up to 50%.

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)

**BALFLEX** // **PETRO OILTANK 50** FUEL & OIL DELIVERY - DN25 - 1" - WP 1 MPa 150 PSI








# AUTOTANK S&D



Rigid rubber mandrel TANK TRUCK hose for suction and delivery of Petroleum, Gasoline, Oil and Fuel  
1.0MPa / 150PSI - 10.1236

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1236.020	3/4"	19,0	30,0	1,0	150	3,0	450	136
10.1236.025	1"	25,4	36,0	1,0	150	3,0	450	152
10.1236.028	1.1/8"	27,8	39,0	1,0	150	3,0	450	171
10.1236.032	1.1/4"	31,8	43,0	1,0	150	3,0	450	192
10.1236.040	1.1/2"	38,1	49,0	1,0	150	3,0	450	228
10.1236.045	1.3/4"	44,9	56,0	1,0	150	3,0	450	372
10.1236.050	2"	50,8	63,0	1,0	150	3,0	450	306
10.1236.055	2.1/4"	56,0	70,0	1,0	150	3,0	450	321
10.1236.063	2.1/2"	63,5	76,0	1,0	150	3,0	450	381
10.1236.075	3"	76,2	89,0	1,0	150	3,0	450	457
10.1236.090	3.1/2"	88,9	105,0	1,0	150	3,0	450	540
10.1236.100	4"	102,0	117,0	1,0	150	3,0	450	610
10.1236.125	5"	127,0	148,0	1,0	150	3,0	450	762
10.1236.150	6"	152,0	170,0	1,0	150	3,0	450	915

**INNER TUBE:** synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 40% aromatic content, with antistatic characteristics

**REINFORCEMENT:** several high resistance synthetic fiber braids with a steel helix  
**OUTER TUBE:** black wrapped, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

**SAFETY FACTOR:** 3:1  
**APPLICATION:** suction and delivery of oil, gasoline, diesel and fuels

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)






**BALFLEX // AUTOTANK TANK TRUCK - FUEL & OIL SUCTION & DELIVERY - DN19 - 3/4" - WP 1 MPa 150 PSI**

# OILTANK



Rigid rubber mandrel TANK TRUCK hose for delivery of Petroleum, Gasoline, Oil and Fuel 1.0MPa / 150PSI - 10.1238

Reinforced with several high resistance synthetic fiber braids and antistatic copper line

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1238.025	1"	25,0	35,0	1,0	150	3,0	450	254
10.1238.032	1.1/4"	31,8	43,0	1,0	150	3,0	450	320
10.1238.040	1.1/2"	38,1	48,0	1,0	150	3,0	450	380
10.1238.050	2"	50,8	61,0	1,0	150	3,0	450	510
10.1238.063	2.1/2"	63,5	75,0	1,0	150	3,0	450	635
10.1238.075	3"	76,2	88,0	1,0	150	3,0	450	762
10.1238.090	3.1/2"	88,9	106,0	1,0	150	3,0	450	900
10.1238.100	4"	101,6	115,0	1,0	150	3,0	450	1016
10.1238.125	5"	127,0	140,0	1,0	150	3,0	450	1270
10.1238.150	6"	152,4	168,0	1,0	150	3,0	450	1524

**INNER TUBE:** synthetic rubber resistant to oil, gasoline, diesel and fuels with up to 40% aromatic content, with antistatic characteristics

**REINFORCEMENT:** several high resistance synthetic fiber braids  
**OUTER TUBE:** black wrapped, oil, weather and abrasion resistant synthetic rubber, with antistatic copper line

**SAFETY FACTOR:** 3:1  
**APPLICATION:** delivery of oil, gasoline, diesel and fuels

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)

**BALFLEX / OILTANK TANK TRUCK - FUEL & OIL DELIVERY - DN25 - 1" - WP 1 MPa 150 PSI**








# ACQUATANK S&D



Rigid rubber mandrel hose for suction and delivery of Air and Water 1.0MPa /150PSI - 10.1237

Reinforced with several high resistance synthetic fiber braids and steel helix

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1237.025	1"	25,4	35,0	1,0	150	3,0	450	152
10.1237.028	1.1/8"	28,6	38,0	1,0	150	3,0	450	175
10.1237.032	1.1/4"	31,8	42,0	1,0	150	3,0	450	192
10.1237.040	1.1/2"	38,1	48,0	1,0	150	3,0	450	228
10.1237.045	1.3/4"	45,0	55,0	1,0	150	3,0	450	267
10.1237.050	2"	50,8	62,0	1,0	150	3,0	450	306
10.1237.055	2.1/4"	55,0	71,0	1,0	150	3,0	450	342
10.1237.060	2.3/8"	60,0	72,0	1,0	150	3,0	450	370
10.1237.063	2.1/2"	63,5	75,0	1,0	150	3,0	450	381
10.1237.075	3"	76,2	89,0	1,0	150	3,0	450	457
10.1237.080	3.1/8"	80,0	92,0	1,0	150	3,0	450	505
10.1237.090	3.1/2"	88,9	106,0	1,0	150	3,0	450	540
10.1237.100	4"	101,6	115,0	1,0	150	3,0	450	610
10.1237.125	5"	127,0	144,0	1,0	150	3,0	450	762
10.1237.150	6"	152,4	167,0	1,0	150	3,0	450	915

**INNER TUBE:** seamless air and water resistant synthetic rubber

**REINFORCEMENT:** several high resistance synthetic fiber braids and steel helix

**OUTER TUBE:** black wrapped, weather and abrasion resistant synthetic rubber

**SAFETY FACTOR:** 3:1

**APPLICATION:** suction and delivery of water in construction, mining, steel plants and agriculture

**TEMPERATURE RANGE:** -35°C (-31°F) +85°C (+185°F)






**BALFLEX // ACQUATANK WATER SUCTION & DELIVERY - DN25 - 1" - WP 1 MPa 150 PSI**

## ACQUA



Rigid rubber mandrel hose for delivery of Air and Water 1.0MPa / 150PSI – 10.1235

Reinforced with several high resistance synthetic fiber braids

#	inch				PSI		PSI	
		mm	mm	MPa		mm		
10.1235.025	1"	25,4	34,0	1,0	150	3,0	450	254
10.1235.028	1.1/8"	28,6	38,0	1,0	150	3,0	450	300
10.1235.032	1.1/4"	31,8	42,0	1,0	150	3,0	450	320
10.1235.040	1.1/2"	38,1	48,0	1,0	150	3,0	450	380
10.1235.045	1.3/4"	45,0	54,0	1,0	150	3,0	450	445
10.1235.050	2"	50,8	60,0	1,0	150	3,0	450	510
10.1235.055	2.1/4"	55,0	71,0	1,0	150	3,0	450	590
10.1235.063	2.1/2"	63,5	75,0	1,0	150	3,0	450	635
10.1235.075	3"	76,2	88,0	1,0	150	3,0	450	762
10.1235.090	3.1/2"	88,9	106,0	1,0	150	3,0	450	900
10.1235.100	4"	101,6	115,0	1,0	150	3,0	450	1016
10.1235.125	5"	127,0	140,0	1,0	150	3,0	450	1270
10.1235.150	6"	152,4	165,0	1,0	150	3,0	450	1524

**INNER TUBE:** seamless air and water resistant synthetic rubber  
**REINFORCEMENT:** several high resistance synthetic fiber braids

**OUTER TUBE:** black wrapped, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** for conveying water in construction, mining, steel plants and agriculture

**TEMPERATURE RANGE:** -35°C (-31°F) +85°C (+185°F)

**BALFLEX / ACQUA WATER DELIVERY - DN25 - 1" - WP 1 MPa 150 PSI**





# SANDBLAST



Rigid rubber mandrel hose for Sandblasting / Gravel 1.2MPa / 175PSI – 10.1240

Reinforced with several high resistance synthetic fiber braids and antistatic copper line

#	inch	Cross-section diagrams		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1240.12	1/2"	12,7	27,0	1,2	180	3,6	540	130
10.1240.20	3/4"	19,0	33,0	1,2	180	3,6	540	230
10.1240.25	1"	25,4	39,0	1,2	180	3,6	540	254
10.1240.32	1.1/4"	31,8	48,0	1,2	180	3,6	540	320
10.1240.40	1.1/2"	38,1	56,0	1,2	180	3,6	540	380
10.1240.50	2"	51,0	69,0	1,2	180	3,6	540	510

**INNER TUBE:** seamless synthetic rubber high abrasion resistant to sand with antistatic characteristics; abrasion acc. DIN 53516: approx. 65 mm3

**REINFORCEMENT:** several high resistance synthetic fiber braids  
**OUTER TUBE:** black wrapped, weather and abrasion resistant synthetic rubber, with antistatic copper line

**SAFETY FACTOR:** 3:1  
**APPLICATION:** sandblasting

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)



# DRY CEMENT DELIVERY



According to EN ISO 3861 / ISO 4649. – 10.1241

Dry bulk materials and dry powder cement delivery hose. Reinforced with several high resistance synthetic fiber braids with antistatic copper line

#	inch	Cross-section diagrams		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1241.050	2"	50,8	65,00	1,0	150	3	450	510
10.1241.063	2.1/2"	63,5	77,00	1,0	150	3	450	635
10.1241.075	3"	76,0	90,0	1,0	150	3	450	762
10.1241.090	3.1/2"	90,0	104,0	1,0	150	3	450	900
10.1241.100	4"	101,0	116,00	1,0	150	3	450	1016
10.1241.125	5"	127,0	144,00	1,0	150	3	450	1270
10.1241.150	6"	152,0	168,00	1,0	150	3	450	1524
10.1241.200	8"	203,0	221,00	1,0	150	3	450	2032

**INNER TUBE:** seamless synthetic rubber resistant to abrasion  
**REINFORCEMENT:** high tensile textile cords

**OUTER TUBE:** black wrapped, weather and abrasion resistant synthetic rubber with antistatic copper line  
**SAFETY FACTOR:** 3:1

**APPLICATION:** discharge of dry bulk materials, sand, gravel, and dry powder cement

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)








# CONCRETE BETON LIGHT



4.0MPa / 580PSI / 40bar Working Pressure / Abrasion loss value: Acc DIN 53516 < 65 mm<sup>3</sup> – 10.1246

Hose for Placement of Concrete / Beton to the Casting Locations

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1246.040	1.1/2"	38,0	54,0	4,0	580	9,2	1330	75
10.1246.050	2"	50,8	68,00	4,0	580	9,2	1330	100
10.1246.063	2.1/2"	63,5	83,50	4,0	580	9,2	1330	125
10.1246.075	3"	76,0	100,00	4,0	580	9,2	1330	150
10.1246.100	4"	101,0	126,00	4,0	580	9,2	1330	200

**INNER TUBE:** seamless special synthetic rubber resistant to abrasion  
**REINFORCEMENT:** 4 plies of high tensile textile cords

**OUTER TUBE:** black wrapped, weather and abrasion resistant pin-pricked synthetic rubber  
**SAFETY FACTOR:** 2.3:1

**APPLICATION:** placement of concrete to the casting locations

**TEMPERATURE RANGE:** - 40°C (- 40°F) + 70°C (+ 158°F)






**BALFLEX / CONCRETE BETON LIGHT DN38 - 1.1/2" - WP 4 MPa 580 PSI**

# CONCRETE EXTRAFLEX



Abrasion loss value: Acc DIN 53516 < 65 mm<sup>3</sup> – 10.1248

Hose for Placement of Concrete / Beton to the Casting Locations

#	inch				PSI		PSI	
		mm	mm	MPa		MPa		mm
10.1248.050	2"	50,8	72,00	8,5	1235	20,0	2850	100
10.1248.063	2.1/2"	63,5	86,30	8,5	1235	20,0	2850	125
10.1248.075	3"	76,0	99,60	8,5	1235	20,0	2850	150
10.1248.100	4"	101,0	126,00	8,5	1235	20,0	2850	200
10.1248.125	5"	127,0	153,30	8,5	1235	20,0	2850	250
10.1248.150	6"	152,0	184,0	8,5	1235	20,0	2850	300

**INNER TUBE:** seamless special synthetic rubber resistant to abrasion  
**REINFORCEMENT:** 6 plies of high tensile textile cords

**OUTER TUBE:** black wrapped, weather and abrasion resistant pin-pricked synthetic rubber  
**SAFETY FACTOR:** 2.3:1

**APPLICATION:** placement of concrete to the casting locations

**TEMPERATURE RANGE:** -40°C (-40°F) +70°C (+158°F)

**BALFLEX / CONCRETE BETON EXTRAFLEX DN51 - 2" - WP 8.5 MPa 1232 PSI**



# SUPERSTEAM RED



EN ISO 6134 Type 2 Class A (Q) 1.8 MPa / 270 PSI WP – 10.1260.R

Saturated Steam steel braid hose +210°C (+410°F)

#	inch	Diagram		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1260.08R	1/2"	12,7	24,00	1,8	270	18,0	2700	180
10.1260.12R	3/4"	19,0	33,00	1,8	270	18,0	2700	240
10.1260.16R	1"	25,4	39,00	1,8	270	18,0	2700	300
10.1260.20R	1.1/4"	31,8	47,00	1,8	270	18,0	2700	400
10.1260.24R	1.1/2"	38,1	53,00	1,8	270	18,0	2700	500
10.1260.32R	2"	50,8	68,00	1,8	270	18,0	2700	650

**INNER TUBE:** black, heat resistance synthetic rubber  
**REINFORCEMENT:** high tensile steel wire braids

**OUTER TUBE:** red, heat, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 10:1

**APPLICATION:** super heated steam services in chemical plants, steel mills, refineries, shipyards

**TEMPERATURE RANGE:** -40°C (-40°F) +210°C (+410°F)  
**NOTE:** For longer life, drain after use

**BALFLEX / SUPERSTEAM EN ISO 6134 Type 2 CLASS A (Q) - 210°C / 410°F - DN12 - 1/2" - WP 1.8 MPa 270 PSI**

# LPG DELIVERY HOSE



LPG 2.5MPa / 350PSI hose – 10.1214.

Liquefied Petroleum Gas delivery hose, long length.

#	inch	Diagram		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1214.04	1/4"	6,0	15,0	2,5	370	7,5	1100	100
10.1214.05	5/16"	8,0	16,0	2,5	370	7,5	1100	114
10.1214.06	3/8"	9,5	19,0	2,5	370	7,5	1100	127
10.1214.08	1/2"	12,7	23,00	2,5	370	7,5	1100	178
10.1214.12	3/4"	19,0	31,00	2,5	370	7,5	1100	240
10.1214.16	1"	25,4	38,00	2,5	370	7,5	1100	300
10.1214.20	1.1/4"	32,0	45,00	2,5	370	7,5	1100	419
10.1214.24	1.1/2"	38,0	52,00	2,5	370	7,5	1100	500
10.1214.32	2"	50,8	67,00	2,5	370	7,5	1100	630

**INNER TUBE:** seamless synthetic rubber resistant to LPG  
**REINFORCEMENT:** 2 high resistance synthetic fiber braid

**OUTER TUBE:** black wrapped, smooth, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** LPG (Liquefied Petroleum Gas)

**TEMPERATURE RANGE:** -30°C (-22°F) +100°C (+212°F)





**BALFLEX / LPG / GPL DIN EN 1762 - 1/4" - MAX WP 2.5 MPa 350 PSI**

# XLPE ACID-SOLVENT & CHEMICAL S&D



Corrosive Chemicals and Solvents Translucent XLPE  
(Cross Linked Polyethylene) 1.7MPa / 250PSI  
W.P. S&D hose – 10.1270

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line

#	inch							
		mm	mm	MPa	PSI	MPa	PSI	mm
10.1270.020	3/4"	19,0	32,0	1,7	250	5,1	750	136
10.1270.025	1"	25,0	38,0	1,7	250	5,1	750	152
10.1270.032	1.1/4"	31,8	46,0	1,7	250	5,1	750	192
10.1270.040	1.1/2"	38,1	52,0	1,7	250	5,1	750	228
10.1270.050	2"	50,8	65,0	1,7	250	5,1	750	306
10.1270.063	2.1/2"	63,5	78,0	1,7	250	5,1	750	381
10.1270.075	3"	76,2	92,0	1,7	250	5,1	750	457
10.1270.100	4"	101,6	119,0	1,7	250	5,1	750	610

**INNER TUBE:** corrosive acid-solvents and chemicals translucent XLPE (cross linked polyethylene)  
**REINFORCEMENT:** several high resistance synthetic fiber braids with a steel helix

**OUTER TUBE:** green, weather and abrasion resistant synthetic rubber, with antistatic copper line  
**SAFETY FACTOR:** 3:1

**APPLICATION:** suction and delivery of strong acids, corrosive chemicals, high aromatic solvents. Suitable for 90% of existing chemicals

**TEMPERATURE RANGE:** -30°C (-22°F) +65°C (+150°F)

**BALFLEX XLPE ACID-SOLVENT & CHEMICAL S & D - DN18 - 3/4" - WP 1.7 MPa / 250 PSI**



# UHMWPE ACID-SOLVENT & CHEMICAL S&D



Chemicals and Acid-Solvent Translucent UHMWPE (Ultra High Molecular Weight Polyethylene) 1.7MPa / 250PSI W.P. S&D hose – 10.1275

Reinforced with several high resistance synthetic fiber braids with steel helix and antistatic copper line

#	inch	Diagram 1		Diagram 2		Diagram 3		Diagram 4	
		mm	mm	MPa	PSI	MPa	PSI	MIN BEND RAD	
10.1275.020	3/4"	19,0	32,0	1,7	250	5,1	750	136	
10.1275.025	1"	25,0	38,0	1,7	250	5,1	750	152	
10.1275.032	1.1/4"	31,8	46,0	1,7	250	5,1	750	192	
10.1275.040	1.1/2"	38,1	52,0	1,7	250	5,1	750	228	
10.1275.050	2"	50,8	65,0	1,7	250	5,1	750	306	
10.1275.063	2.1/2"	63,5	78,0	1,7	250	5,1	750	381	
10.1275.075	3"	76,2	92,0	1,7	250	5,1	750	457	
10.1275.100	4"	101,6	119,0	1,7	250	5,1	750	610	

**INNER TUBE:** corrosive acid-solvents and chemicals translucent UHMWPE (ultra high molecular weight polyethylene)  
**REINFORCEMENT:** several high resistance synthetic fiber braids with a steel helix

**OUTER TUBE:** blue, weather and abrasion resistant synthetic rubber, with antistatic copper line  
**SAFETY FACTOR:** 3:1

**APPLICATION:** suction and delivery of strong acids, corrosive chemicals, high aromatic solvents. Suitable for 98% of existing chemicals

**TEMPERATURE RANGE:** -40°C (-40°F) +80°C (+176°F)

**BALFLEX // UHMWPE ACID - SOLVENT & CHEMICAL S & D - DN19 - 3/4" - WP 1.7 MPa 250 PSI**

# FUEL PUMP



EN 1360 - 1 / ISO 7840 - 1 – 10.1221

Fuel dispensing hose polyester braid

#	inch	Diagram		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1221.10	5/8"	16,0	26,0	1,6	240	4,8	720	80
10.1221.12	3/4"	19,0	30,0	1,6	240	4,8	720	100
10.1221.16	1"	25,4	37,0	1,6	240	4,8	720	150

**INNER TUBE:** petrol, gasoline and fuel seamless resistant synthetic rubber  
**REINFORCEMENT:** high tensile polyester braid and antistatic copper line

**OUTER TUBE:** oil, weather, ozone, abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** dispensing of fuel, gasoline, ethanol, unleaded petrol and diesel oil

**TEMPERATURE RANGE:** -40°C (-40°F) +120°C (+248°F)  
**COUPLINGS:** reusable or crimped Balflex® FUEL PUMP coupling serie

**BALFLEX FUEL PUMP EN 1360 - DN16 - 5/8" - WP 1.6 MPa 232 PSI - R < 1MΩ - DATE**

# FUEL PUMP STEEL



According to EN 1360 - 3 / ISO 7840 - 3 – 10.1222

Fuel dispensing hose steel braid

#	inch	Diagram		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1222.10	5/8"	16,0	25,4	1,8	270	5,4	810	80
10.1222.12	3/4"	19,0	28,7	1,8	270	5,4	810	100
10.1222.16	1"	25,4	35,1	1,8	270	5,4	810	150

**INNER TUBE:** petrol, gasoline and fuel seamless resistant synthetic rubber  
**REINFORCEMENT:** high tensile steel braid

**OUTER TUBE:** oil, weather, ozone, abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** dispensing of fuel, gasoline, ethanol, unleaded petrol and diesel oil

**TEMPERATURE RANGE:** -40°C (-40°F) +120°C (+248°F)  
**COUPLINGS:** reusable or crimped Balflex® FUEL PUMP coupling serie

**BALFLEX FUEL PUMP EN 1360 - DN16 - 5/8" - STEEL - WP 1.8 MPa 260 PSI - R < 1MΩ - DATE**



# SINGLE WELDING



According to ISO 3821 class B / DIN EN 559 / RMA / CGA IP-7 grade R – 10.1227.-A

Oxygen and Acetylene 2.0MPa / 300PSI (100% rubber hose)

#	inch	mm		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1227.04A	1/4"	6,4	13,8	2,0	300	6,0	900	60
10.1227.05A	5/16"	8,0	15,5	2,0	300	6,0	900	80
10.1227.06A	3/8"	9,5	17,0	2,0	300	6,0	900	100

**INNER TUBE:** seamless oxygen or acetylene resistant synthetic rubber  
**REINFORCEMENT:** 2 high resistance synthetic fiber braid

**OUTER TUBE:** red, green or blue, weather and abrasion resistant synthetic rubber

**SAFETY FACTOR:** 3:1  
**APPLICATION:** welding equipments

**TEMPERATURE RANGE:** -35°C (-31°F) +100°C (+212°F)

**BALFLEX WELDING - DN6 - 1/4" - ISO 3821-B / EN 559 - WARNING ACETYLENE ONLY - WP 2 MPa / 300 PSI - DATE**

# SINGLE WELDING BLUE



According to ISO 3821 class B / DIN EN 559 / RMA / CGA IP-7 grade R – 10.1229

Oxygen and Acetylene 2.0MPa / 300PSI (100% rubber hose)

#	inch	mm		MPa		PSI		MIN BEND RAD mm
		mm	mm	MPa	PSI	MPa	PSI	
10.1229.04	1/4"	6,4	13,8	2,0	300	6,0	900	60
10.1229.05	5/16"	8,0	15,5	2,0	300	6,0	900	80
10.1229.06	3/8"	9,5	17,0	2,0	300	6,0	900	100

**INNER TUBE:** seamless oxygen or acetylene resistant synthetic rubber  
**REINFORCEMENT:** 2 high resistance synthetic fiber braid

**OUTER TUBE:** red, green or blue, weather and abrasion resistant synthetic rubber

**SAFETY FACTOR:** 3:1  
**APPLICATION:** welding equipments

**TEMPERATURE RANGE:** -35°C (-31°F) +100°C (+212°F)

**BALFLEX WELDING - DN6 - 1/4" - ISO 3821-B / EN 559 - OXYGEN - WP 2 MPa / 300 PSI - DATE**

## TWIN WELDING

According to ISO 3821 class B / DIN EN 559 / RMA / CGA IP-7 grade R – 10.1230

Oxygen and Acetylene 2.0MPa / 300PSI (100% rubber hose)



#	inch	Cross-section diagrams		MPa		PSI		MIN BEND RAD
		mm	mm	MPa	PSI	MPa	PSI	
10.1230.04	1/4"	6,4	13,8	2,0	300	6,0	900	60
10.1230.05	5/16"	8,0	15,5	2,0	300	6,0	900	80
10.1230.06	3/8"	9,5	17,0	2,0	300	6,0	900	100

**INNER TUBE:** seamless oxygen or acetylene resistant synthetic rubber  
**REINFORCEMENT:** 2 high resistance synthetic fiber braid

**OUTER TUBE:** red and blue, weather and abrasion resistant synthetic rubber

**SAFETY FACTOR:** 3:1  
**APPLICATION:** welding equipments

**TEMPERATURE RANGE:** -35°C (-31°F) +100°C (+212°F)

**BALFLEX WELDING - DN6 - 1/4" - ISO 3821-B / EN 559 - WARNING ACETYLENE ONLY - WP 2 MPa / 300 PSI - DATE**  
**BALFLEX WELDING - DN6 - 1/4" - ISO 3821-B / EN 559 - OXYGEN - WP 2 MPa / 300 PSI - DATE**

## HYDRAULIC BRAKE SAE J1401

According to SAE J 1401 – 10.1050

Sae J 1401 hydraulic brake hose 1/8"



#	inch	SAE Dash	Cross-section diagrams		MPa		PSI		MIN BEND RAD	KG
			mm	mm	MPa	PSI	MPa	PSI		
10.1050.02	1/8"	-3	3,2	10,5	20,0	2900	60,0	8700	102	0,091

**INNER TUBE:** seamless, brake fluid resistant special compound synthetic rubber  
**REINFORCEMENT:** 2 high tensile synthetic textile braids

**OUTER TUBE:** black wrapped, oil, weather and abrasion resistant synthetic rubber  
**SAFETY FACTOR:** 3:1

**APPLICATION:** hydraulic brake lines for automobiles

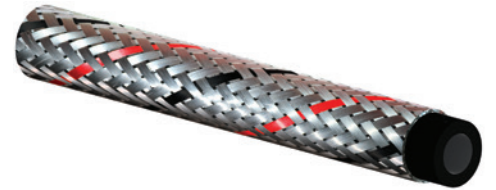
**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F)

**HYDRAULIC BRAKE SAE J1401 - 1/8" - DOT - 20 MPa / 2900 PSI - DATE**












# FUEL HOSE



## 10.1211

Low pressure, steel galvanized braid fuel line hose

#	inch									
		mm	mm	MPa	PSI	MPa	PSI	mm	mm	kg/m
10.1211.04	3/16"	5,0	10,0	<b>2,5</b>	375	<b>7,5</b>	1125	30	1.18	0,17
10.1211.06	1/4"	6,0	11,0	<b>2,5</b>	375	<b>7,5</b>	1125	30	1.18	0,22
10.1211.08	5/16"	8,0	13,0	<b>2,5</b>	375	<b>7,5</b>	1125	40	1.57	0,26
10.1211.10	3/8"	10,0	15,0	<b>2,5</b>	375	<b>7,5</b>	1125	50	1.97	0,33
10.1211.12	1/2"	13,0	19,0	<b>2,0</b>	300	<b>6,0</b>	900	65	2.56	0,50
10.1211.16	5/8"	16,0	22,0	<b>2,0</b>	300	<b>6,0</b>	900	80	3.15	0,56
10.1211.20	3/4"	20,0	25,0	<b>1,5</b>	225	<b>4,5</b>	675	95	3.74	0,62
10.1211.25	1"	25,0	33,0	<b>1,5</b>	225	<b>4,5</b>	675	125	4.92	0,71

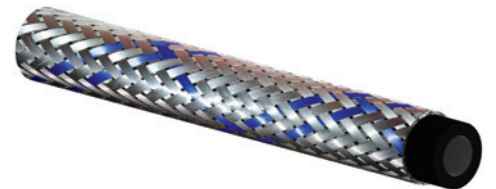
**INNER TUBE:** seamless nitrile rubber, resistant to oil

**OUTER TUBE:** 1 external galvanized steel braid AISI 1008

**SAFETY FACTOR:** 3:1  
**APPLICATION:** automobile fuel lines, oil, gasoil and oil emulsion cooling water








**TEMPERATURE RANGE:** -20°C (-4°F) +90°C (+194°F)

# WATERPUMP HOSE



## 10.1212

Low pressure, steel galvanized braid water hose

#	inch									
		mm	mm	MPa	PSI	MPa	PSI	mm	mm	kg/m
10.1212.10	3/8"	10,0	15,0	<b>2,5</b>	375	<b>7,5</b>	1125	100	3.94	0,22
10.1212.12	1/2"	13,0	19,0	<b>2,5</b>	375	<b>7,5</b>	1125	130	5.12	0,26
10.1212.16	5/8"	16,0	23,0	<b>2,0</b>	300	<b>6,0</b>	900	160	6.30	0,33
10.1212.20	3/4"	20,0	26,0	<b>2,0</b>	300	<b>6,0</b>	900	190	7.48	0,50
10.1212.25	1"	25,0	33,0	<b>1,5</b>	225	<b>4,5</b>	675	250	9.84	0,56
10.1212.32	1 1/4"	32,0	43,0	<b>1,0</b>	150	<b>3,0</b>	450	320	12.60	1,10
10.1212.40	1 1/2"	40,0	51,0	<b>1,0</b>	150	<b>3,0</b>	450	380	14.96	1,53
10.1212.50	2"	50,0	64,0	<b>1,0</b>	150	<b>3,0</b>	450	510	20.08	1,75

**INNER TUBE:** seamless nitrile rubber, resistant to water

**OUTER TUBE:** 1 external galvanized steel braid AISI 1008

**SAFETY FACTOR:** 3:1  
**APPLICATION:** water pumps

**TEMPERATURE RANGE:** -30°C (-22°F) +100°C (+212°F)