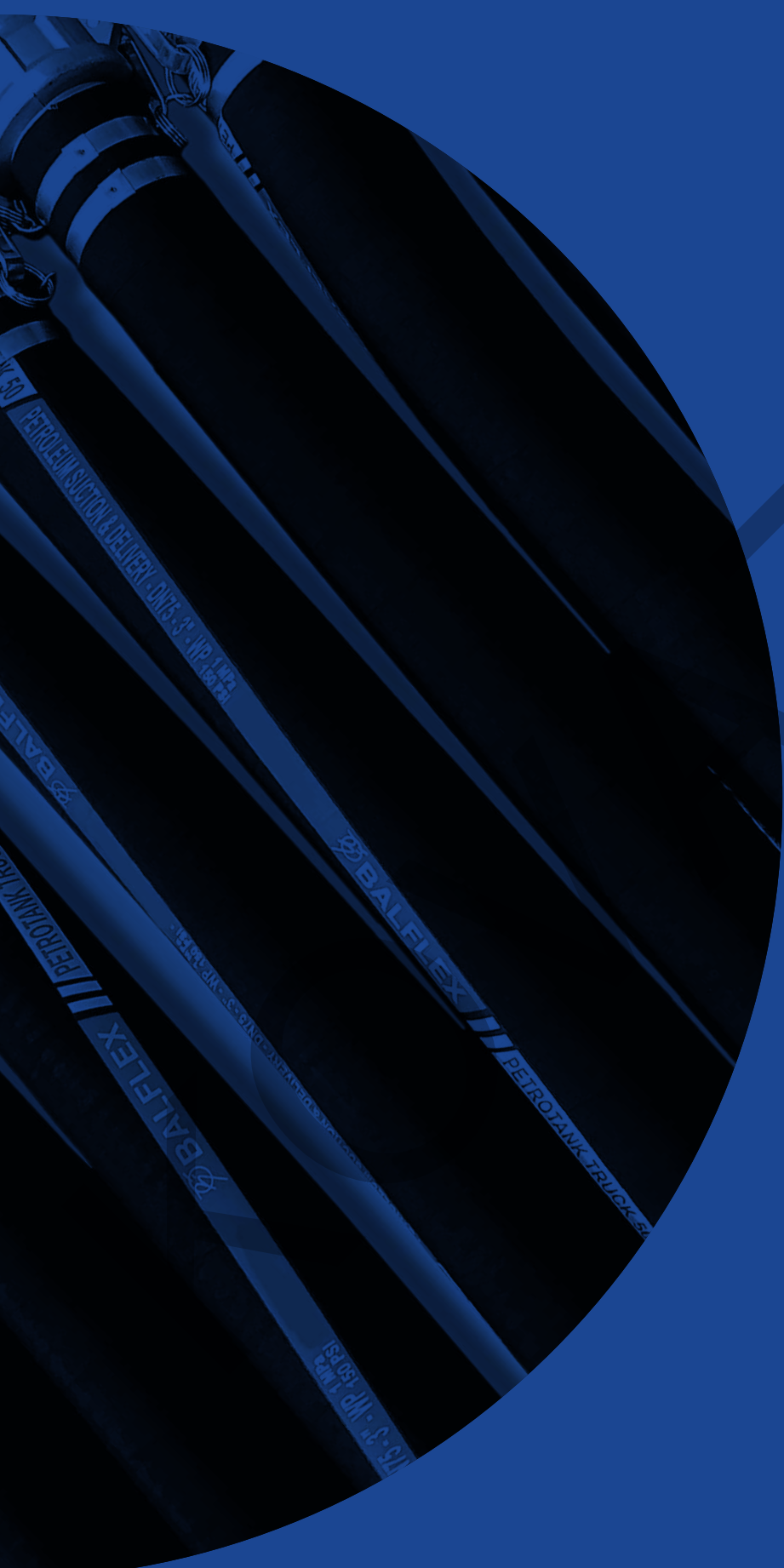


# Industrial Hoses

---



KOLYAN



pag. 114	<b>AIRMASTER AIR &amp; WATER</b>
pag. 115	<b>BALDRILL MINE AIR &amp; WATER</b>
pag. 116	<b>BALDRILL MINE AIR &amp; WATER BLACK</b>
pag. 117	<b>BALDRILL MINE STEEL UNO AIR &amp; WATER</b>
pag. 117	<b>BALDRILL MINE STEEL DUO AIR &amp; WATER</b>
pag. 118	<b>PETROTANK 50 S&amp;D</b>
pag. 119	<b>PETRO OILTANK 50</b>
pag. 120	<b>AUTOTANK S&amp;D</b>
pag. 121	<b>OILTANK</b>
pag. 122	<b>ACQUATANK S&amp;D</b>
pag. 123	<b>ACQUA</b>
pag. 124	<b>SANDBLAST</b>
pag. 124	<b>DRY CEMENT DELIVERY</b>
pag. 125	<b>CONCRETE BETON LIGHT</b>
pag. 125	<b>CONCRETE EXTRAFLEX</b>
pag. 126	<b>MINING BULK &amp; SLURRY</b>
pag. 127	<b>SUPERSTEAM RED</b>
pag. 127	<b>LPG DELIVERY HOSE</b>
pag. 128	<b>XLPE ACID-SOLVENT &amp; CHEMICAL S&amp;D</b>
pag. 129	<b>UHMWPE ACID-SOLVENT &amp; CHEMICAL S&amp;D</b>
pag. 130	<b>FOOD FATTY S&amp;D</b>
pag. 131	<b>FUEL PUMP</b>
pag. 131	<b>FUEL PUMP STEEL</b>
pag. 132	<b>SINGLE WELDING</b>
pag. 132	<b>SINGLE WELDING BLUE</b>
pag. 133	<b>TWIN WELDING</b>
pag. 133	<b>HYDRAULIC BRAKE SAE J1401</b>
pag. 134	<b>FUEL HOSE</b>
pag. 134	<b>WATERPUMP HOSE</b>
pag. 135	<b>AUTOMOTIVE AIR CONDITIONING</b>

## 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:

---

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

### General Guidelines

---

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
Cellosolve Acetate	Yellow	Red	Yellow	Green	Green	Green	Red	Red	Red
Cellugard	Green	Green	Green	Green			Green	Green	Green
Cetylic Acid	Yellow	Green	Yellow	Yellow	Green	Green	Green	Green	Yellow
China Wood Oil	Red	Red	Yellow	Red	Green	Green	Green	Yellow	Yellow
Chlorinated Solvents	Red	Red	Red	Red	Green	Green	Red	Red	Red
Chloro-2-Propanone	Red		Yellow						Red
Chloroacetic Acid	Red	Red	Yellow	Yellow	Green	Green	Red	Red	Green
Chloroacetone	Red	Red	Yellow	Green	Green	Green	Red	Red	Red
Chlorobenzene	Red	Red	Red	Red	Green	Green	Red	Red	Red
Chlorobutane	Red		Yellow	Red			Red	Red	Red
Chlorodane	Red	Red	Red	Red			Yellow	Yellow	Yellow
Chloroethyl Benzene	Red		Red	Red			Yellow	Red	Red
Chloroform	Red	Red	Red	Red	Yellow	Yellow	Red	Red	Red
Chloropentane	Red		Red	Red			Red	Red	Red
Chlorosulfonic Acid	Red	Red	Red	Red	Yellow	Red	Red	Red	Red
Chlorotoluene	Red	Red	Red	Red			Red	Red	Red
Chlorox	Red	Red	Yellow	Green			Yellow	Yellow	Yellow
Chrome Plating Solutions	Red	Red	Yellow	Yellow			Red	Red	Red
Chromic Acid	Yellow	Red	Yellow	Yellow	Green	Green	Red	Red	Green
Chromium Trioxide	Red	Red	Green	Yellow			Red	Red	Green
Cinnamene	Red	Red	Red	Red			Yellow	Red	Red
Cis-9-Octadecenoic Acid	Red	Red	Red	Yellow	Green	Green	Yellow	Yellow	
Citric Acid	Green	Green	Green	Green	Green	Green	Green	Green	Green
Coal Tar Oil	Red	Red	Red	Red	Green	Green	Green	Green	Yellow
Coal Tar	Red	Red	Red	Red	Green	Green	Yellow	Yellow	Yellow
Coal Tar Naphtha	Red		Red	Red	Green	Green	Red	Red	Red
Coconut Oil	Red	Red	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Coke Oven Gas	Yellow	Red	Yellow	Red	Green	Green	Red	Red	Yellow
Coolanol	Red	Red	Red	Red			Green	Yellow	Yellow
Copper Chloride	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow
Copper Cyanide	Green	Green	Green	Green	Green	Green	Green	Green	Green
Copper Hydrate	Yellow		Green				Green		Green
Copper Hydroxide	Yellow		Green				Green		Green
Copper Sulfate	Yellow	Green	Yellow	Green	Green	Green	Green	Green	Green
Corn Oil	Red	Red	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Cottonseed Oil	Red	Red	Yellow	Yellow	Green	Green	Green	Yellow	Yellow
Creosote	Red	Red	Red	Red	Green	Green	Yellow	Yellow	Red
Cresols	Red	Red	Red	Red	Green	Green	Red	Red	Red
Cresylic Acid	Red	Red	Red	Red	Green	Green	Red	Red	Red

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

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

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

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	●		●	●			●	●	●
Pentanol	●		●	●			●	●	●
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	ID		OD		MPa		PSI		MIN BEND RAD mm
		mm	mm	mm	mm	MPa	PSI	MPa	PSI	
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	ID		OD		MPa		PSI		MIN BEND RAD
		mm	mm	mm	mm	MPa	PSI	MPa	PSI	
10.1233.04	1/4"	6,0	14,0	2,0	300	6,0	900	60		
10.1233.05	5/16"	8,0	17,0	2,0	300	6,0	900	80		
10.1233.06	3/8"	10,0	19,0	2,0	300	6,0	900	100		
10.1233.08	1/2"	13,0	21,0	2,0	300	6,0	900	125		
10.1233.10	5/8"	16,0	26,0	2,0	300	6,0	900	160		
10.1233.12	3/4"	19,0	30,0	2,0	300	6,0	900	190		
10.1233.16	1"	25,0	36,0	2,0	300	6,0	900	254		
10.1233.20	1.1/4"	31,8	44,0	2,0	300	6,0	900	320		
10.1233.24	1.1/2"	38,1	50,0	2,0	300	6,0	900	380		
10.1233.32	2"	50,8	65,0	2,0	300	6,0	900	510		
10.1233.40	2.1/2"	63,5	79,0	2,0	300	6,0	900	635		
10.1233.48	3"	76,2	92,0	2,0	300	6,0	900	762		
10.1233.64	4"	101,6	118,0	2,0	300	6,0	900	1016		
10.1233.96	6"	152,4	170,0	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:** 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" - ISO 2398 - 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	ID		MPa	PSI	MIN BEND RAD		mm
		mm	mm			MPa	PSI	
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



# BALDRILL MINE STEEL UNO AIR & WATER



Rigid rubber heavy mandrel hose for delivery of Air an Water – 10.1242

High Pressure, single steel braid reinforced industrial hose

#	inch	ID		MPa	PSI	MIN BEND RAD		
		mm	mm			MPa	PSI	mm
10.1242.032	1.1/4"	32,0	44,0	4,5	650	18,0	2610	419
10.1242.040	1.1/2"	38,0	50,8	4,5	650	18,0	2610	500
10.1242.050	2"	50,8	64,3	4,5	650	18,0	2610	630
10.1242.063	2.1/2"	63,5	76,5	3,0	450	12,0	1800	760
10.1242.075	3"	76,2	88,0	2,5	375	10,0	1500	900
10.1242.100	4"	101,6	117,0	2,0	300	8,0	1200	1100

**INNER TUBE:** seamless oil, air and water resistant synthetic rubber  
**REINFORCEMENT:** 1 high tensile steel wire braid  
**OUTER TUBE:** yellow, weather and abrasion resistant pin-pricked synthetic rubber

**SAFETY FACTOR:** 4:1  
**APPLICATION:** very heavy works on mining, construction, steel plants, perforation and quarries

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F); Intermittent service: +120°C (+248°F). Max. temperature recommended for water base hydraulic fluids: +70°C (+158°F) Max. temperature recommended for air: +60°C (+140°F)

**AVAILABLE VERSION:** Black cover (add "B" to code – example:10.1242.050B)

**BALFLEX // BALDRILL MINE UNO STEEL AIR & WATER - DN51 - 2" - WP 4.5 MPa 650 PSI - Flame Resistant - MSHA IC-252/00**

# BALDRILL MINE STEEL DUO AIR & WATER



Rigid rubber heavy mandrel hose for delivery of Air an Water – 10.1243.

High Pressure, double steel braid reinforced industrial hose.

#	inch	ID		MPa	PSI	MIN BEND RAD		
		mm	mm			MPa	PSI	mm
10.1243.032	1.1/4"	32,0	47,5	12,5	1810	50,0	7240	419
10.1243.040	1.1/2"	38,0	54,6	9,0	1300	36,0	5200	500
10.1243.050	2"	50,8	67,4	8,0	1160	32,0	4640	630
10.1243.063	2.1/2"	63,5	78,0	4,5	650	18,0	2610	760
10.1243.075	3"	76,2	90,0	4,5	650	18,0	2610	900
10.1242.100	4"	101,6	118,0	4,5	650	18,0	2610	1100

**INNER TUBE:** seamless oil, air and water resistant synthetic rubber  
**REINFORCEMENT:** 2 high tensile steel wire braids  
**OUTER TUBE:** yellow, weather and abrasion resistant pin-pricked synthetic rubber

**SAFETY FACTOR:** 4:1  
**APPLICATION:** very heavy works on mining, construction, steel plants, perforation and quarries

**TEMPERATURE RANGE:** -40°C (-40°F) +100°C (+212°F); Intermittent service: +120°C (+248°F) Max. temperature recommended for water base hydraulic fluids: +70°C (+158°F) Max. temperature recommended for air: +60°C (+140°F)

**AVAILABLE VERSION:** Black cover (add "B" to code – example:10.1243.050B)

**BALFLEX // BALDRILL MINE DUO STEEL AIR & WATER - DN51 - 2" - WP 8 MPa 1150 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	ID		MPa	PSI	MIN BEND RAD		kg/m	
			mm	mm			mm	mm		
10.1245.025	1"	-16	25,4	35,0	1,0	150	3,0	450	144	0,71
10.1245.032	1.1/4"	-20	31,8	42,0	1,0	150	3,0	450	178	0,96
10.1245.040	1.1/2"	-24	38,1	48,0	1,0	150	3,0	450	208	1,24
10.1245.050	2"	-32	50,8	62,0	1,0	150	3,0	450	298	1,7
10.1245.063	2.1/2"	-40	63,5	75,0	1,0	150	3,0	450	381	2,36
10.1245.075	3"	-48	76,2	90,0	1,0	150	3,0	450	477	3,11
10.1245.100	4"	-64	101,6	117,0	1,0	150	3,0	450	655	3,97
10.1245.125	5"	-80	127,0	143,0	1,0	150	3,0	450	572	7,76
10.1245.150	6"	-96	152,4	168,0	1,0	150	3,0	450	760	8,95
10.1245.200	8"	-128	203,0	225,0	1,0	150	3,0	450	1015	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	ID		MPa	PSI	MPa	PSI	MIN BEND RAD	KG
			mm	mm						
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	ID		MPa	PSI	MPa	PSI	MIN BEND RAD
		mm	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	ID		MPa	PSI	MIN BEND RAD		mm
		mm	mm			MPa	PSI	
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	ID		MPa	PSI	MIN BEND RAD		
		mm	mm			MPa	PSI	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
10.1237.200	8"	254,0	280,0	1,0	150	3,0	450	1000
10.1237.250	10"	305,0	334,0	1,0	150	3,0	450	1150
10.1237.300	12"	355,0	385,0	1,0	150	3,0	450	1250

**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	ID		OD		MPa		PSI		MIN BEND RAD mm
		mm	mm	mm	mm	MPa	PSI	MPa	PSI	
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)





# 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	ID		OD		MPa		PSI		MIN BEND RAD
		mm	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	ID		OD		MPa		PSI		MIN BEND RAD
		mm	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	ID		MPa	PSI	MIN BEND RAD		
		mm	mm			MPa	PSI	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	ID		MPa	PSI	MIN BEND RAD		
		mm	mm			MPa	PSI	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**

# MINING BULK & SLURRY



1.0MPa / 150PSI / Working Pressure / Abrasion loss value:  
Acc DIN 53516 < 68 mm<sup>3</sup> – 10.1247

Bulk material suction and delivery

#	ID		OD		MPa		PSI		
	inch	mm	inch	mm	MPa	PSI	MPa	PSI	
10.1247.050	2"	50.8	2.00	69.00	2.72	1.0	150	3.0	450
10.1247.063	2.1/2"	63.5	2.50	82.00	3.23	1.0	150	3.0	450
10.1247.075	3"	76.0	3.00	95.00	3.74	1.0	150	3.0	450
10.1247.100	4"	101.0	4.00	122.00	4.80	1.0	150	3.0	450
10.1247.125	5"	127.0	5.00	149.00	5.87	1.0	150	3.0	450
10.1247.150	6"	152.0	6.00	176.0	6.93	1.0	150	3.0	450
10.1247.200	8"	203.2	8.00	233.0	9.17	1.0	150	3.0	450
10.1247.250	10"	254.0	10.00	291.0	11.46	1.0	150	3.0	450
10.1247.300	12"	304.0	12.00	341.0	13.43	1.0	150	3.0	450

**INNER TUBE:** seamless special synthetic rubber resistant to abrasion  
**REINFORCEMENT:** 4 plies of high tensile textile cords, with anti-static wire and 2 high strength steel wire helix

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

**APPLICATION:** bulk material suction and delivery, specially for mining, for mineral tailings and mineral pulps, dry cement, mud, grain

**TEMPERATURE RANGE:** -30°C (-22°F) + 70°C (+ 158°F)  
**COUPLINGS:** Balflex@Aluminium Flanges

**BALFLEX // MINING BULK & SLURRY S&D - DN100 - 4" - WP 10 Bar 150 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	ID		MPa	PSI	MIN BEND RAD		mm
		mm	mm			MPa	PSI	
10.1260.08R	1/2"	12,7	24,00	1,8	270	18,0	2700	150
10.1260.12R	3/4"	19,0	33,00	1,8	270	18,0	2700	230
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	375
10.1260.24R	1.1/2"	38,1	53,00	1,8	270	18,0	2700	455
10.1260.32R	2"	50,8	68,00	1,8	270	18,0	2700	600
10.1260.40R	2.1/2"	63,0	83,00	1,8	270	18,0	2700	675
10.1260.48R	3"	76,0	98,00	1,8	270	18,0	2700	725

**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	ID		MPa	PSI	MIN BEND RAD		mm
		mm	mm			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	ID		MPa	PSI	MPa	PSI	MIN BEND RAD
		mm	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 - DW19 - 3/4" - W.P. 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							
		mm	mm	MPa	PSI	MPa	PSI	mm
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**

# FOOD FATTY S&D

Food 1.0MPa / 150PSI W.P. S&D hose – 10.1285

Reinforced with several high resistance synthetic fiber braids with steel helix.  
 FDA approved compounds.



#	inch	ID		OD		MPa		PSI		MIN BEND RAD
		mm	mm	mm	mm	MPa	PSI	MPa	PSI	
10.1285.020	3/4"	19,0	32,0	1,0	150	3,0	300	136		
10.1285.025	1"	25,0	38,0	1,0	150	3,0	300	152		
10.1285.032	1.1/4"	31,8	46,0	1,0	150	3,0	300	192		
10.1285.040	1.1/2"	38,1	52,0	1,0	150	3,0	300	228		
10.1285.050	2"	50,8	66,0	1,0	150	3,0	300	306		
10.1285.063	2.1/2"	63,5	80,0	1,0	150	3,0	300	381		
10.1285.075	3"	76,2	93,0	1,0	150	3,0	300	457		
10.1285.100	4"	101,6	120,0	1,0	150	3,0	300	610		

**INNER TUBE:** white color, non-toxic rubber compound  
**REINFORCEMENT:** several high resistance synthetic fiber braids with a steel helix

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

**APPLICATION:** suction and delivery of foodstuff. Highly recommended for transfer milk and other high-fat dairy products. For our fatty food hose, if the operation/application temperature is not exceeded 90°C, basically it would be no problem to transfer for beer and wine but not okay for juices. For juices, it's recommended to use for the non-fatty type food hose which is of EPDM blended material.

**TEMPERATURE RANGE:** -20°C (-4°F) +80°C (+176°F)

BALFLEX // FOOD FATTY S&D - 3/4" - 19mm - WP 1 MPa 150 PSI - FDA








# FUEL PUMP



EN 1360 - 1 / ISO 7840 - 1 - 10.1221

Fuel dispensing hose polyester braid

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

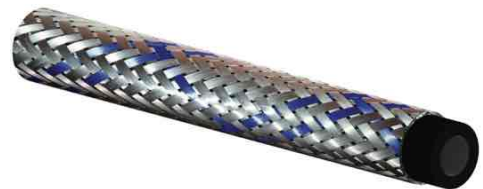
**INNER TUBE:** seamless nitrile rubber, resistant to oil

**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	ID	OD	MPa		PSI		MIN BEND RAD STATIC	MIN BEND RAD FLEXING	KG
		mm	mm	MPa	PSI	MPa	PSI	mm	mm	kg/m
10.1212.10	3/8"	10,0	15,0	2,5	375	7,5	1125	100	3.94	0,22
10.1212.12	1/2"	13,0	19,0	2,5	375	7,5	1125	130	5.12	0,26
10.1212.16	5/8"	16,0	23,0	2,0	300	6,0	900	160	6.30	0,33
10.1212.20	3/4"	20,0	26,0	2,0	300	6,0	900	190	7.48	0,50
10.1212.25	1"	25,0	33,0	1,5	225	4,5	675	250	9.84	0,56
10.1212.32	1.1/4"	32,0	43,0	1,0	150	3,0	450	320	12.60	1,10
10.1212.40	1.1/2"	40,0	51,0	1,0	150	3,0	450	380	14.96	1,53
10.1212.50	2"	50,0	64,0	1,0	150	3,0	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)



# AUTOMOTIVE AIR CONDITIONING VENEER TYPE



According to SAE J 2064 and ISO 8066 – 10.1300

Air Conditioning hose R134a

#	inch	SAE Dash	ID	OD	MIN BEND RAD. +	KG kg/m
			mm	mm		
10.1300.06	5/16"	-6	8,0	19,0	76,2	0,30
10.1300.08	13/32"	-8	10,6	22,6	88,9	0,41
10.1300.10	1/2"	-10	12,7	25,4	101,6	0,47
10.1300.12	5/8"	-12	16,2	28,1	114,3	0,55

**INNER TUBE:** seamless resistant synthetic rubber with PA barrier

**REINFORCEMENT:** high resistance synthetic fiber braid

**OUTER TUBE:** pi-pricked black, weather and abrasion resistant synthetic rubber

**APPLICATION:** air conditioning hose for mobile R12 and R134a systems; PAG, ester and mineral lubricants

**TEMPERATURE RANGE:** -30°C (-22°F) +125°C (+257°F)

**BALFLEX ECOCLIMA A/C HOSE - R134a - 5/16" - SAE J2064 - ISO 8066**