

Rubber Chemical Resistance Chart



This guide outlines the level of suitability of FEP, EPDM, Nitrile and FKM to resisting property changes as a result of exposure or contact with the specified chemicals. The above materials are common components of pipe connection products and thus this guide serves as a reference to the performance levels of each material to inform decision making on specific applications.

Flexseal's standard couplings, with an EPDM rubber body, resist 52% of the chemicals listed on the chemical compatibility table.

Flexseal offers a dedicated range of chemical couplings specifically designed for resisting the widest range of chemical compounds. The chemical resistance materials that make up Flexseal's core range of chemical couplings are an FEP liner and NBR (Nitrile) rubber body, which resist 89% of the chemicals listed on the chemical compatibility table.

Flexseal can also offer couplings made up from FKM (Fluorocarbon) rubber for when EPDM or Nitrile are not suitable.

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Materials

EPDM Rubber (Ethylene Propylene Diene Monomer)

Due to its unique combination of physical properties, EPDM can be used in an unusually broad range of products. Aside from applications requiring resistance to oil and hydrocarbon solvents, there is scarcely an application in which EPDM is totally unsuitable. Because of its excellent resistance to ozone, sunlight and severe weather conditions, EPDM is ideal for outdoor service.

EPDM generic temperature range is $-50^{\circ}\text{C}/+150^{\circ}\text{C}$. with continuous operation at 80°C ; intermittent at 100°C .

EPDM has poor resistance to oil, gasoline and hydrocarbon solvents.

NBR Rubber (Nitrile or Acrylonitrile Butadiene)

The physical properties of NBR meet the requirements of EN 681:1. NBR is used in specific applications for effluent contaminated with hydrocarbons, oils, fats and greases. It should be noted that the nitrile compound is classed as medium grade and is therefore only suitable for drainage applications.

Nitrile or Acrylonitrile Butadiene (NBR) can be offered as an alternative material for instances when the drainage effluent is contaminated by hydrocarbons.

Nitrile has a working temperature range of $-20^{\circ}\text{C}/+120^{\circ}\text{C}$.

FKM Rubber (Fluorocarbon)

Depending on the fluorine content and structure FKM materials can differ with regards to their chemical resistance. FKM is known for its non-flammability, low gas permeability and excellent resistance to ozone, weathering and aging.

The operating temperatures of FKM can range between -20°C and $+200^{\circ}\text{C}$.

FEP Liner

PTFE and FEP are similar in their excellent dielectric properties, chemical inertness and toughness at low temperature. FEP has low co-efficient of friction, anti-stick properties and weatherability. The property differences between PTFE and FEP lie mainly in their upper service temperature limitations. FEP is more transparent and has a higher modulus of elasticity at low temperatures than PTFE. As all fluoropolymers, it can be steam cleaned or chemically sterilized according to any industrial method. FEP is very transparent and together with its weatherability. FEP meets FDA requirements for repeated contact with food. Non-stick properties allow transport of viscous, sticky materials without line clogging.

Testing & Liability

The chemical compatibility in this chart are based on results from laboratory testing and reflect the relative capabilities of various formulations to withstand specific chemicals.

The ratings do not reflect the extent to which extraction may occur or the extent to which fluids may undergo any physical change as a result of coming into contact with the product. Flexseal Ltd make no representation or warranty with respect to the suitability of any fluid to become contaminated or undergo changes in properties or composition as a result of possible extraction of product ingredients by the fluid to be transmitted.

All ratings are based on room temperature (22°C / 73°F) and chemical resistance will be affected by elevated temperatures.

It is the user's responsibility to ensure the suitability and safety of products for all intended uses including establishing the compatibility of any fluids with the product through which it is transmitted.

Chemical compatibility table

Guide to Suitability

- A** **Excellent suitability**
Elastomer shows no effect from exposure.
- B** **Good suitability**
Minimum effects from exposure with possibly some loss of physical properties.
- C** **Limited suitability**
Significant chemical swelling and loss of physical properties after exposure. Additional testing should be carried out.
- X** **Unsuitable**
The elastomer is unsuitable for this application.
- **Insufficient information**
Insufficient data, seek professional advice.

Chemical Medium	FEP	EPDM	NBR	FKM
Acetaldehyde	A	B	X	X
Acetamide	A	A	A	X
Acetic Acid	A	A	C	C
Acetic Acid 30%	A	A	C	C
Acetic Acid 50%	A	A	C	C
Acetic Acid Chloride	A	X	X	A
Acetic Acid Vapors	A	A	X	X
Acetic acid, 96-99,5% (Glacial)	A	B	X	X

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Chemical Medium	FEP	EPDM	NBR	FKM
Acetic Acid, Glacial	A	A	X	X
Acetic Acid, Vapors	A	A	X	X
Acetic Anhydride	A	B	X	X
Acetic Ester (Ethyl Acetate)	A	X	X	X
Acetone	A	A	X	X
Acetophenone	A	A	X	X
Acetyl Chloride	-	X	X	A
Acetylacetone	A	A	X	X
Acetylene	A	A	A	A
Acetylene Gas	A	A	A	A
Acetylene Tetrabromide	A	A	X	A
Acrolein	A	A	C	X
Acrylonitrile	A	X	X	X
Adipic Acid	A	A	A	A
Adipic Acid diethylester	A	A	X	X
Aero Lubriplate	-	X	A	A
Aero safe 2300	A	A	X	X
Aero safe 2300 W	A	A	X	X
Aero Shell 1 AC Grease	-	X	A	A
Aero Shell 17 Grease	-	X	A	A
Aero Shell 7 A Grease	-	X	A	A
Aero Shell 750	-	X	B	A
Aero Shell Fluid 4	-	X	A	A
Aerozene 50 (50% Hydrazine 50% UDMH)	A	A	X	X
Air	A	A	A	A
Alcohol Aliphatic	A	B	A	X
Alcohol Aromatic	A	X	C	X
Alcohol Methanol	A	A	B	C
Alkyl Arylsulphonic Acid	A	A	C	X
Alkyl Benzene	-	X	X	A
Allyl Alcohol	A	A	B	B
Allyl Chloride	A	X	X	-
Allyl Ketone	A	A	X	X
Almond Oil	A	A	A	X
Aluminium Acetat	A	A	B	X
Aluminium Bromide	A	A	A	A
Aluminium Chloride	A	A	A	A
Aluminium Chloride Solution	A	A	A	A
Aluminium Fluoride	A	A	A	A
Aluminium Hydroxide Solution	A	A	A	A
Aluminium Nitrate	A	A	A	A
Aluminium Phosphate	A	A	A	A
Aluminium Potassium Sulfate Solution	A	A	-	-

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Chemical Medium	FEP	EPDM	NBR	FKM
Aluminium Sulfate	A	A	A	A
Aluminium Sulphate Solution	A	A	A	A
Aluminium-Potassiumsulfate Solution	A	A	-	-
Aluminum Acetate (aqueous solution)	A	A	C	-
Aluminum Bromide	A	A	A	A
Aluminum Chloride (aqueous solution)	A	A	A	-
Aluminum Fluoride (aqueous solution)	A	A	A	A
Aluminum Hydroxide Solution	A	A	A	A
Aluminum Nitrate (aqueous solution)	A	A	A	-
Aluminum Phosphate (aqueous solution)	A	A	A	A
Aluminum Sulphate (aqueous solution)	A	A	A	A
Ambrex 33 (Mobile)	-	X	A	A
Ambrex 830 (Mobile)	-	X	A	A
Amines	A	A	X	X
Aminoacetic Acid	A	A	B	A
Ammonia (gas)	A	A	A	X
Ammonia (liquid)	A	A	B	X
Ammonia Anhydrous	A	A	C	A
Ammonia Gas (cold)	A	A	A	-
Ammonia Gas (hot)	A	B	X	X
Ammonia Solution	A	A	B	X
Ammonia, anhydrous	A	A	A	X
Ammonia, aqueous Solution	A	A	C	X
Ammonia-Lithium	A	B	B	X
Ammonium Acetate	A	A	A	X
Ammonium Carbonate	A	A	X	X
Ammonium Carbonate 50%	A	A	X	X
Ammonium Carbonate Solution	A	A	X	X
Ammonium Chloride (aquatic Solution)	A	A	A	A
Ammonium Chloride Solution	A	A	A	-
Ammonium Fluoride	A	A	A	B
Ammonium Hydroxide	A	A	X	X
Ammonium Hydroxide (concentrated)	A	A	X	X
Ammonium Hydroxide 30%	A	A	X	X
Ammonium Hydroxide Solution	A	A	X	X
Ammonium Nitrate (aquatic Solution)	A	A	A	A
Ammonium Nitrate Solution	A	A	A	-
Ammonium Nitrite	A	A	A	-
Ammonium Persulphate (aqueous solution)	A	A	X	-
Ammonium Phosphate (aquatic Solution)	A	A	A	A
Ammonium Phosphate	A	A	A	-
Ammonium Sulfate Solution	A	A	A	X
Ammonium Sulfide	A	A	B	X

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Chemical Medium	FEP	EPDM	NBR	FKM
Ammonium Thiocyanate	A	A	A	-
Amyl Acetate	A	B	X	X
Amyl Alcohol	A	A	B	B
Amyl Borate	A	X	A	-
Amyl Chloride	A	X	X	A
Amyl Chloronapthalene	A	X	X	-
Amyl Naphtalene	A	X	X	A
Anderol L-774	-	X	A	A
Aniline	A	A	X	-
Aniline Chlorohydrate	A	B	B	B
Aniline Dyes	A	A	X	-
Aniline Hydrochloride	A	C	C	-
Aniline Liquid	A	A	X	X
Animal Fats	A	C	A	A
Anisole	A	X	X	X
Ansul Ether (Anesthetics)	-	C	C	-
Anti Freeze	A	-	-	-
Antimony Chloride	A	A	A	A
Antimony Chloride, dry	A	A	A	A
Aqua Regia	-	C	X	-
Argon Gas	A	A	A	A
Aromatic Fuels (up to 50% Aromatic)	-	X	A	A
Aromatic Hydrocarbons (100% Aromatic)	-	X	X	A
Arsenic Acid	A	A	A	A
Arsenic Acid, Solution	A	A	A	A
Arsenic Trichloride (aqueous solution)	A	C	A	-
Asphalt	A	X	B	A
Asphalt, Emulsion	A	X	B	A
ASTM Test Fuel A	A	X	A	A
ASTM Test Fuel B	A	X	A	A
ASTM Test Fuel C	A	X	B	A
ASTM-Oil IRM 902	A	X	A	A
ASTM-Oil IRM 903	A	X	A	A
ASTM-Oil No.1	A	X	A	A
ATM-Brake Fluid (Glycolbased)	A	A	X	X
Automatic-Transmission Fluid	A	X	A	A
Automotive Gasoline	A	X	A	A
Barium Carbonate	A	A	A	A
Barium Chloride (aqueous solution)	A	A	A	A
Barium Chloride Solution	A	A	A	A
Barium Hydroxide (aqueous solution)	A	A	A	A
Barium Hydroxide Solution	A	A	A	A
Barium Nitrate Solution	A	A	A	A

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Chemical Medium	FEP	EPDM	NBR	FKM
Barium Sulfate	A	A	A	A
Barium Sulfide Solution	A	A	A	A
Barium Sulphate (aqueous solution)	A	A	A	A
Barium Sulphide (aqueous solution)	A	A	A	A
Battery Acid (Sulfuric Acid diluted)	A	A	X	A
Beef Tallow	A	X	A	A
Beer	A	A	A	A
Beet Sugar Liquors	A	A	A	A
Beet Sugar Sap	A	A	A	A
Benzaldehyde	A	B	X	X
Benzene	A	X	X	-
Benzene Sulphonic Acid	A	X	X	-
Benzine 50/Benzene 50	A	X	X	B
Benzine 60/Benzene 40	A	X	X	B
Benzine 70/Benzene 30	A	X	B	A
Benzine 80/Benzene 20	A	X	B	A
Benzine (Gasoline)	A	X	A	A
Benzine 50/Benzene 30/Ethanol 20	A	X	X	B
Benzoic Acid	A	C	C	A
Benzoic Acid, Solution	A	B	B	A
Benzol (Benzene)	A	X	X	A
Benzophenone	A	B	-	A
Benzoyl Chloride	A	X	X	-
Benzyl Alcohol	A	B	X	A
Benzyl Benzoate	A	B	X	-
Benzyl Chloride	A	X	X	A
Biphenyl	-	X	X	A
Bitumen	A	X	X	A
Black Liquor	-	B	B	B
Bleach Solution	A	A	X	A
Bleaching Powder Solution	A	A	C	A
Boiler Feed Water	A	A	B	B
Bone Oil	A	X	A	A
Borax	A	A	B	-
Borax (Sodiumborate)	A	A	B	A
Borax Solutions	A	A	B	B
Bordeaux Mixture	A	A	B	-
Boric Acid	A	A	A	A
Brake Fluid	A	X	A	-
Brake Fluids (based on glycol ether)	A	A	X	X
Brake Fluids (based on mineral oil)	A	-	A	A
Brine	A	A	A	-
Bromine	A	X	X	B

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Chemical Medium	FEP	EPDM	NBR	FKM
Bromine (anhydrous)	A	X	X	-
Bromine Solution in Water	A	X	X	A
Bromine Trifluoride	A	X	X	-
Bromine Vapour	A	X	X	B
Bromine Water	A	B	X	-
Bromobenzene	A	X	X	A
Bromochlorotrifluoroethan	A	X	X	A
Bunker Oil	-	X	B	A
Butadiene	A	X	X	B
Butandiol	A	A	A	X
Butane	A	X	A	A
Butanethiol	A	X	X	A
Butanole	A	B	A	A
Butantriol	A	A	A	A
Butene	A	X	B	A
Buthylphenol	A	X	X	B
Butter	A	B	A	A
Buttermilk	A	A	A	A
Butyl Acetate	A	B	X	X
Butyl Acrylate	A	X	X	-
Butyl Alcohol	A	A	A	A
Butyl Amine	A	B	X	X
Butyl Benzoate	A	B	X	-
Butyl Carbitol	A	A	X	C
Butyl Cellosolve	A	A	C	X
Butyl Diglycol	A	A	A	A
Butyl Oleate	A	B	X	-
Butyl Phthalate	A	A	X	X
Butyl Pyrocatechol	A	B	X	A
Butyl Stearate	A	X	B	A
Butylbenzoate	A	A	X	A
Butylene	A	X	B	A
Butylether	-	X	X	X
Butyraldehyd	-	B	X	X
Butyric Acid	A	X	B	A
Butyric Acid Butyl Ester	A	B	X	B
Calcium Hypochlorite (aqueous solution)	A	A	C	-
Calcium Acetate (aqueous solution)	A	A	B	X
Calcium Bicarbonate	A	A	A	-
Calcium Bisulfide Solution	A	A	B	B
Calcium Bisulfite (aquatic solution)	A	X	X	A
Calcium Carbonate	A	A	A	A
Calcium Carbonate Slurry	A	A	A	A

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Chemical Medium	FEP	EPDM	NBR	FKM
Calcium Chloride	A	A	A	A
Calcium Chloride (aqueous solution)	A	A	A	A
Calcium Chloride, brine	A	A	A	A
Calcium Cyanide	A	A	A	-
Calcium Hydroxide (aqueous solution)	A	A	A	A
Calcium Hydroxide Solution	A	A	A	A
Calcium Hypochlorite Solution	A	A	C	A
Calcium Nitrate	A	A	A	A
Calcium Nitrate (aqueous solution)	A	A	A	A
Calcium Oxide	A	A	A	A
Calcium Phosphate Slurry	A	A	A	A
Calcium Silicate	A	A	A	A
Calcium Sulfate	A	A	A	A
Calcium Sulfide	A	A	A	A
Calcium Sulfite	A	A	A	A
Calcium Sulphide (aqueous solution)	A	A	A	A
Calcium Thiosulfate	A	A	B	A
Caliche Solution (Sodium Nitrate)	A	A	B	A
Campher	A	X	A	B
Campher Oil	A	X	A	B
Cane Sugar Liquors	A	A	A	-
Cane Sugar Sap	A	A	A	A
Carbitol	-	B	B	B
Carbolic Acid	A	B	X	A
Carbolic Acid (Penole)	A	B	X	A
Carbolineum	A	B	B	A
Carbon Dioxide	A	B	A	A
Carbon Dioxide, dry	A	B	A	A
Carbon Dioxide, wet	A	B	A	A
Carbon Disulfide	A	X	X	A
Carbon Monoxide	A	A	A	B
Carbon Tetrachloride	A	X	C	-
Carbonic Acid	A	A	A	A
Carboxylic Acids	A	A	A	A
Casein	-	B	A	A
Castor Oil	A	B	A	A
Cellosolve	A	B	X	-
Cellosolve (2-Etho-yethanol)	A	B	X	X
Cellosolve Acetate	A	B	X	-
Celluloseacetat	A	B	A	X
Chile Salpetre (Sodium Nitrate)	A	A	B	A
Chinawood Oil	A	X	A	A
Chloracetic Acid	A	A	X	X

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Chemical Medium	FEP	EPDM	NBR	FKM
Chloracetic Acid Ethylester	A	X	X	A
Chloric Acid	A	B	X	B
Chloride of Lime	A	A	X	A
Chlorine (Dry)	A	X	X	-
Chlorine (Wet)	A	C	X	-
Chlorine 10%	A	A	X	-
Chlorine Dioxide	A	C	X	A
Chlorine gas, anhydrous	A	A	C	A
Chlorine Trifluoride	A	X	X	-
Chlorine Water	A	B	X	A
Chlorine, liquid	A	B	X	A
Chloroacetaldehyde	A	A	X	X
Chloroacetic Acid	A	A	X	-
Chloroacetone	A	A	X	X
Chloroamine	A	A	A	X
Chlorobenzene	A	X	X	B
Chlorobromomethane	-	B	X	B
Chlorobutadiene	-	X	X	B
Chloroform	A	X	X	B
Chloromethyl Ether	-	C	X	X
Chloronaphthalene	A	X	X	A
Chlorophenol	-	X	X	A
Chlorosulfonic Acid	-	C	X	X
Chlorothene	A	X	X	B
Chlorotoluene	A	X	X	A
Chrome Alum	A	A	A	A
Chromic Acid	A	C	X	A
Chromo sulfuric Acid	A	X	X	A
Cider	A	A	A	B
CIP fluids, acidic*	A	A	X	B
CIP fluids, alkaline	A	A	X	X
Citric Acid	A	A	A	A
Citrous Oils	A	X	B	A
Coal Tar	A	X	B	B
Cobalt Chlorite	A	A	A	A
Coca-Cola	A	A	A	B
Cocoa Butter	A	X	A	A
Coconut Grease	A	X	A	A
Coconut Oil	A	X	A	A
Coconut, Fatty Acid	A	X	A	A
Cod-liver Oil	A	C	A	A
Coffee	A	A	A	A
Coffee Extract	A	A	A	A

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Chemical Medium	FEP	EPDM	NBR	FKM
Coke Oven Gas	A	X	X	A
Copper Acetate (aqueous solution)	A	A	B	X
Copper Acetate Solution	A	B	X	X
Copper Ammonium Acetate	A	A	X	X
Copper Chloride (aqueous solution)	A	A	A	A
Copper Chloride, Solution	A	A	A	A
Copper Cyanide	A	A	A	A
Copper Cyanide (aqueous solution)	A	A	A	A
Copper Fluoride	A	A	B	A
Copper Nitrate	A	A	B	A
Copper Sulfate (Blue Vitriol) Solution	A	A	A	A
Copper Sulphate (aqueous solution)	A	A	A	A
Corn Oil	A	X	A	A
Cotton Oil	A	C	A	A
Cottonseed Oil	A	X	A	A
Creosote	A	X	A	-
Cresol	A	X	X	A
Crontonaldehyde	A	A	X	X
Crude Oil	A	X	B	A
Cumene	A	X	X	A
Cuprous Ammonia Acetate Solution	A	A	X	X
Cyanic Acid	A	A	B	A
Cyanic Acid Solution	A	A	B	A
Cyclohexane	A	X	A	A
Cyclohexanol	A	X	B	A
Cyclohexanone	A	X	X	X
Cyclohexylamine	A	C	X	X
Cymene	A	X	X	A
DDT Solutions (Kerosene Solvent)	A	X	A	A
DDT Solutions (Toluene Solvent)	A	X	X	A
Decalin	A	X	X	-
Decalin (Decahydronaphtalene)	A	X	X	A
Decane	A	X	A	A
Detergent Solutions	A	A	A	A
Developing Fluids	A	C	A	A
Dextrin	A	A	A	A
Dextrose	A	A	A	A
Diacetone	A	A	X	X
Diacetone Alcohol	A	A	X	X
Diaminoethane	A	A	B	X
Diamylamine	A	A	X	X
Diazinone	A	X	X	B
Dibenzyl Ether	A	B	X	-

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Chemical Medium	FEP	EPDM	NBR	FKM
Dibenzyl Sebacate	A	B	X	B
Dibenzylether	A	B	X	C
Dibromodifluoromethane	X	B	X	-
Dibromomethylbenzene	-	X	X	A
Dibutyl Ether	-	X	X	X
Dibutyl Phthalate	A	B	X	C
Dibutyl Sebacate	A	B	X	B
Dibutylamine	A	X	X	X
Dichloro Acetic Acid	A	X	X	X
Dichloro Acetic Acid Methylester	A	A	X	X
Dichlorobutane	A	X	B	A
Dichlorobutylene	A	X	X	B
Dichloroethane	A	X	X	B
Dichloroethylene	A	X	X	B
Dichloro-iso-propylene ether	A	X	X	X
Dichloromethane	A	X	X	B
Dichloropentane	A	X	X	A
Dichloropropene	A	X	X	-
Dichlorobenzene	A	X	X	A
Dicyclohexylamine	A	X	X	X
Diesel Fuel	A	X	A	A
Diesel Oil	A	X	A	A
Diethanolamine	A	B	X	X
Diethyl Amin	A	B	X	X
Diethyl Aniline	A	A	X	X
Diethyl Benzene	A	X	X	A
Diethyl Carbonate	A	X	X	A
Diethyl Ether	A	B	X	X
Diethyl Formaldehyde	A	A	X	X
Diethyl Hydrazine	A	A	C	X
Diethyl Maleate	A	A	C	X
Diethyl Sebacate	A	B	X	B
Diethyl Sulfate	A	-	X	X
Diethylamine	A	A	B	-
Diethylene Glycol	A	A	A	A
Diethylene Triamine	A	A	X	X
Diglycolic Acid	A	A	X	A
Dihexyl Phthalic Acid Ester	-	-	X	X
Dihydroxy Tartaric Acid (Tartaric Acid)	A	B	A	A
Dihydroxybenzene	-	B	X	X
Di-Isobutyl Ketone	A	A	X	X
Di-Isobutylene	A	X	B	A
Di-Isooctyl Sebacate	-	B	X	B

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Chemical Medium	FEP	EPDM	NBR	FKM
Di-Isopropyl Benzene	-	X	X	A
Di-Isopropyl Ketone	A	A	X	X
Dimethyl Amine	A	B	X	X
Dimethyl Aniline	A	B	X	X
Dimethyl Ether	A	A	X	X
Dimethyl Formamide	A	B	X	X
Dimethyl Hydrazine	A	A	B	X
Dimethyl Ketone	A	A	X	X
Dimethyl Phenol	A	X	X	X
Dimethyl Phthalate	A	B	X	B
Dimethylbutane	A	X	A	A
Dinitro Toluene	-	X	X	X
Dinitrogene Oxid	-	B	A	A
Dinitrotoluene	-	X	X	-
Diocetyl Amine	A	A	X	X
Diocetyl Phthalate	-	B	X	B
Diocetyl Sebacate	-	B	X	B
Dioxane	-	B	X	X
Dioxolane	A	B	X	X
Dipentene	-	X	B	A
Diphenyl	A	X	X	A
Diphenyl Ether	A	X	X	B
Diphenyle Oxide	A	X	X	A
Dipropylene Glycol	A	B	B	B
Dithionite	A	A	B	A
Divinyl Benzene	-	X	X	A
DMT (Dimethyl Terephthalate)	A	A	X	A
DNCB (Dinitrochlorobenzene)	-	X	X	A
Dodecanol	-	B	B	A
Domestic Fuel Oils	A	X	A	A
Dowtherm A	-	X	X	A
Dowtherm E	-	X	X	A
Duodecanol (Lauryl alcohol)	A	B	B	A
Epichlorhydrin	A	B	X	X
Ethanol Amine	-	B	C	X
Ether	A	C	X	X
Ethyl Acetate	A	B	X	X
Ethyl Acetoacetate	A	A	X	-
Ethyl Acrylate	A	B	X	-
Ethyl Alcohol, Ethanol	A	A	A	X
Ethyl Benzene	A	X	X	B
Ethyl Bromide	A	X	B	A
Ethyl Cellosolve	A	X	X	-

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Ethyl Cellulose	A	B	B	X
Ethyl Chlorocarbonate	A	A	X	-
Ethyl Chloroformate	A	A	X	-
Ethyl Formate	A	A	X	-
Ethyl Hexanole	A	A	A	A
Ethyl Oxalate	A	A	X	A
Ethyl Pentachlorobenzene	A	X	X	A
Ethyl Pyridine	A	A	X	C
Ethyl Sulfate (Diethyl Sulfate)	A	A	X	X
Ethylacrylate	A	-	X	X
Ethylchloride	A	B	X	B
Ethylchloroacetate	A	B	B	A
Ethylene	A	X	A	A
Ethylene Bromide	A	C	X	A
Ethylene Chloride	A	B	-	B
Ethylene Chlorohydrin	A	B	X	X
Ethylene Diamine	A	A	X	X
Ethylene Dibromide	A	X	X	A
Ethylene Dichloride	A	X	X	A
Ethylene Glycol	A	A	A	A
Ethylene Glycol Ethylether (Cellosolve)	A	B	X	X
Ethylene Oxide	A	B	X	X
Ethylene Silicate	A	A	A	A
Ethylene Trichloride	A	C	X	B
Fat - Animal	A	X	A	A
Fat - Edible Oils	A	X	A	A
Fat - Vegatable	A	X	A	A
Fatty Acids	A	X	B	A
Ferric Chloride (aqueous solution)	A	A	A	A
Ferric Chloride Solution	A	A	A	A
Ferric Nitrate (aqueous solution)	A	A	A	A
Ferric Nitrates	A	A	A	A
Ferric Sulfate (aqueous solution)	A	A	A	A
Ferric Sulfate (Ferric Vitriol)	A	A	A	A
Ferric Sulfate Solution	A	A	A	A
Fir Oil	A	X	B	A
Fish Oil	A	X	A	A
Fluorine	B	X	X	X
Fluorobenzene	X	X	X	B
Fluoroboric Acid	A	A	A	-
Fluorolube	A	A	A	-
Fluorosilicic Acid	A	A	B	A
Formaldehyde (Formalin-Solution)	A	A	C	X

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Formaldehyde (Methanal)	A	A	B	B
Formaldehyde (RT)	A	A	C	X
Formamide	A	A	B	B
Formic Acid	A	B	X	X
Freon 11	C	X	A	B
Freon 112	C	X	B	B
Freon 113	C	X	A	B
Freon 114	C	A	A	B
Freon 114 B2	C	X	B	B
Freon 115	C	A	A	B
Freon 12	C	B	B	B
Freon 13	C	A	A	B
Freon 13 B1	C	A	A	B
Freon 134 a	C	A	-	-
Freon 14	C	A	A	B
Freon 142 b	C	A	A	X
Freon 152 a	C	A	A	X
Freon 21	C	X	X	X
Freon 218	C	A	A	A
Freon 22	C	A	X	X
Freon 31	C	A	X	X
Freon 32	C	A	A	X
Freon 502	C	A	B	B
Freon BF	C	X	B	A
Freon C316	C	A	A	-
Freon C318	C	A	A	B
Freon MF	C	X	B	B
Freon PCA	C	X	A	B
Freon TA	C	A	A	X
Freon TC	C	B	A	A
Freon TF	C	X	A	A
Freon TMC	C	B	B	A
Freon T-P35	C	A	A	A
Freon TWD602	C	A	B	A
Fruit Juices	A	A	B	B
Fuel Oil	A	X	A	-
Fumaric Acid	-	-	A	A
Furan	A	X	X	X
Furfural (Furfurylaldehyde)	A	-	C	-
Furfurylalcohol	A	-	-	-
Gallic Acid	A	B	A	A
Gas Oil	A	X	A	A
Gasoline, 100 Octane	A	X	A	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Gasoline, 130 Octane	A	X	A	A
Gasoline, aromatic	A	X	A	A
Gasoline, Ethyl and Regular	A	X	A	A
Gasoline, Refined	A	X	A	A
Gasoline, Sour	A	X	A	A
Gasoline, with Mercaptan	A	X	A	A
Gasoline/Alcohol Mix	A	X	B	B
Gelatin	A	A	A	A
Generator Gas	A	X	A	A
Glauber's Salt	A	A	B	B
Glucose	A	A	A	A
Glucose solution	A	A	A	A
Glucose, aqueous	A	A	A	A
Glycerin (Glycerol)	A	A	A	A
Glycerol	A	A	A	A
Glycerol Chlorohydrin	A	B	X	B
Glycerol Triacetate (Triacetin)	A	A	B	X
Glycerol Trinitrate (Nitroglycerin)	A	A	X	A
Glycine	A	A	B	A
Glycol	A	A	A	-
Glycolic Acid	A	A	A	B
HEF-3	-	X	B	A
Helium Gas	A	A	A	A
Heptane	A	X	A	A
Hexachloro Acetone	A	A	X	X
Hexachloro Butadiene	A	X	X	A
Hexachloro Cyclohexane (Lindane)	A	X	-	A
Hexadecanol	A	A	A	-
Hexafluorosilicic Acid	-	B	B	B
Hexaldehyd	A	A	X	X
Hexalin (Cyclohexanol)	-	X	A	A
Hexamine	A	A	X	X
Hexanal (Capronaldehyde)	-	B	-	X
Hexane	A	X	A	A
Hexanetriol	A	A	A	A
Hexyl Alcohol	A	B	A	A
Hydraulic Oils	X	X	A	X
Hydrazine	A	A	B	C
Hydrazine Hydrate	A	A	B	C
Hydrobromic Acid	A	A	X	A
Hydrobromic Acid 40%	A	A	X	-
Hydrochloric Acid (Cold) 37%	A	A	C	B
Hydrochloric Acid (Hot) 37%	A	C	X	B

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Hydrocyanic Acid	A	A	B	A
Hydrofluoric Acid (cold)	A	B	X	B
Hydrofluoric Acid (Concentrated.) Cold	A	C	X	-
Hydrofluoric Acid (hot)	A	X	X	X
Hydrofluoric Acid-Anhydrous	A	C	X	-
Hydrogen Chloride 35%	A	C	X	-
Hydrogen Chloride Gas	A	A	X	A
Hydrogen Fluoride	A	B	X	-
Hydrogen Gas	A	A	A	-
Hydrogen Peroxide (90%)	A	A	X	-
Hydrogen Peroxide 30%	A	C	X	-
Hydrogen Peroxide, concentrated	A	X	X	C
Hydrogen Sulfide	A	C	X	X
Hydrogen Sulphide (Wet) Cold	A	C	X	-
Hydrogen Sulphide (Wet) Hot	A	C	X	-
Hydrogen, Gas	A	A	A	A
Hydrogene Bromide, unhydrous	A	X	X	A
Hydrogensulfite Leach	A	A	X	A
Hydroquinone	A	B	X	X
Hydroxy Acetic Acid	A	A	X	X
Hydroxylamine	A	A	A	A
Hydroxylamine Sulfate	A	A	A	A
Hypochlorous Acid	-	B	X	A
Ink	A	A	A	B
Iodine	A	B	B	A
Iodine Pentafluoride	A	X	X	-
Iodine tincture	A	B	B	A
Iodoform	A	A	-	A
Iso-Butane	A	X	A	A
Iso-Butyl Alcohol	A	A	B	B
Iso-Butyl Methyl Ketone	A	A	X	X
Iso-Butylene	A	X	A	A
Iso-Butyraldehyde	A	A	X	X
Iso-Cyanate	A	A	-	-
Iso-Dodecane	-	X	A	A
Iso-Octane	A	X	A	A
Iso-Pentane	-	X	A	A
Isophorone	A	C	X	-
Iso-Propyl-Acetate	A	B	X	X
Iso-Propyl-Alcohol	A	A	B	A
Iso-Propyl-Benzene	A	X	X	A
Iso-Propyl-Chloride	A	X	X	A
Iso-Propyl-Ether	A	A	X	X

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Jet Fuel JP3	A	X	A	A
Jet Fuel JP4	A	X	A	A
Jet Fuel JP5	A	X	A	A
Jet Fuel JP6	A	X	A	A
JP3 (Fuel)	-	X	A	A
JP4 (Fuel)	-	X	A	A
JP5 (Fuel)	-	X	A	A
JP6 (Fuel)	-	X	A	A
JPX (Fuel)	-	X	A	X
Kerosene	A	X	A	A
Ketchup	A	A	A	A
Lactams	X	X	X	X
Lactic Acid	A	B	B	A
Lanolin	A	X	A	A
Latex	A	A	A	A
Lavender Oil	A	X	B	A
Lead Acetate (aqueous solution)	A	A	B	X
Lead Acetate Salt Solution	A	A	C	X
Lead Arsenate	A	A	A	-
Lead Nitrate	A	A	A	A
Lead Nitrate (aqueous solution)	A	A	A	-
Lead Nitrate Solution	A	A	A	-
Lead Sulfate	A	A	B	A
Lead Sulphamate (aqueous solution)	A	A	B	A
Lemon Juice	A	A	A	A
Ligroin	-	X	A	A
Lime Bleach	A	A	A	A
Lime Sulfur	A	A	X	A
Lindol	A	A	X	X
Linoleic Acid	-	X	B	A
Linseed Oil	A	C	A	A
Liqueurs	A	A	A	A
Lithium Bromide Brine	A	A	A	A
Lithium Chloride	A	A	A	A
Lithium Hydroxide	A	A	X	-
Lubricating Oils (Petroleum)	A	X	A	-
Machinery Oil (mineral)	A	X	A	A
Maganese Chloride (Solution)	A	A	A	A
Magnesium Acetate Solution	A	A	X	X
Magnesium Chloride (aqueous solution)	A	A	A	A
Magnesium Chloride Solution	A	A	A	A
Magnesium Hydroxide (aqueous solution)	A	A	B	A
Magnesium Hydroxide (Solution)	A	A	B	B

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Magnesium Silicate (Talcum)	A	A	A	A
Magnesium Sulfate (Epson Salts)	A	A	A	A
Magnesium Sulphate (aqueous solution)	A	A	A	A
Maleic Acid	A	A	B	A
Maleic Anhydride	A	X	X	B
Malic Acid	A	B	A	A
Margarine	A	X	A	A
Mayonaise	A	X	A	X
Menthol	A	B	B	A
Mercaptans	A	A	X	X
Mercuric Chloride Solution	A	A	A	A
Mercury	A	A	A	A
Mercury Chloride (aqueous solution)	A	A	A	-
Mercury Nitrate	A	A	A	-
Mesityl Oxide	A	A	X	X
Methacrylic Acid	A	B	X	X
Methanal	A	A	B	B
Methane	A	X	A	A
Methanol	A	A	B	C
Methoxy Benzene	A	X	X	X
Methoxy Butanol	A	B	A	A
Methyl Acetate	A	A	X	X
Methyl Acetoacetate	A	A	X	X
Methyl Acrylate	A	B	X	X
Methyl Alcohol	A	A	B	C
Methyl Amine	A	A	X	X
Methyl Aniline	A	B	X	B
Methyl Bromide	A	X	X	A
Methyl Butyl Ketone	A	A	X	X
Methyl Carbonate	A	X	X	X
Methyl Cellosolve	A	B	X	X
Methyl Cellulose	A	B	B	B
Methyl Chloride	A	B	X	B
Methyl Cyclopentane	A	X	X	B
Methyl Ethyl Ketone	A	B	X	X
Methyl Formate	A	B	X	X
Methyl Glycol	A	B	X	X
Methyl Glycol Acetate (Ethleneglycol)	A	B	X	X
Methyl Iso-Butyl Ketone	A	B	X	X
Methyl Iso-Propyl Ketone	A	A	X	X
Methyl Methacrylate	A	X	X	X
Methyl Methacrylic Acid Ester	A	X	X	X
Methyl Oleate	A	B	X	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Methyl Phenyl Ether (Anisole)	A	X	X	X
Methyl Pyrrolidone	A	A	X	X
Methyl Salicylate	A	B	X	-
Methylene Chloride	A	X	X	B
Methylpentane	A	X	A	A
Milk	A	A	A	A
Milk of Lime	A	A	X	B
Mineral Oil	A	X	B	A
Mineral Spirits	A	X	A	A
Molasses	A	A	A	A
Monobromobenzene	A	X	X	B
Monochloroacetic Acid	A	A	X	X
Monochloroacetic Acid Ethyl Ester	-	B	X	X
Monoethanol Amine	-	B	X	X
Morpholine	-	B	X	-
Muriatic Acid (HCl) (Hydrochloric Acid)	-	B	X	A
Muriatic Acid (HCl), diluted	A	A	B	A
Naphtha	A	X	X	A
Naphthalene	A	X	X	A
Naphthenic Acid	A	X	B	A
Naphtolen ZD	A	X	B	A
Natural Gas	A	X	A	A
Neats Foot Oil	A	B	A	A
Neon Gas	A	A	A	A
Nickel Acetate	A	A	B	X
Nickel Acetate (aqueous solution)	A	A	B	-
Nickel Chloride	A	A	A	A
Nickel Chloride (aqueous solution)	A	A	A	-
Nickel Nitrate	A	A	A	A
Nickel Sulfate	A	A	A	A
Nickel Sulphate (aqueous solution)	A	A	A	A
Nitrating Acids	A	A	X	X
Nitric Acid, concentrated	A	X	X	B
Nitric Acid, fuming	A	X	X	B
Nitro Benzene	A	X	X	X
Nitro Ethane	A	A	X	-
Nitro Glycerin	A	A	X	A
Nitro Glycol	A	A	X	A
Nitro Methane	A	B	X	X
Nitro Propane	A	B	X	X
Nitro Toluene	A	X	X	X
Nitrogen	A	A	A	-
Nitrogen Gas	A	A	A	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Nitrogen Tetroxide	A	X	X	X
Nonanol	A	A	X	A
Nut Oil	A	X	A	A
Octadecane	-	X	A	A
Octal	-	B	X	B
Octane	A	X	B	A
Octanol (Octylalcohol)	A	A	B	A
Octylalcohol	-	B	B	A
Octylcresol	A	X	C	B
Oil of Turpentine	A	X	B	A
Olefin, crude	-	X	A	A
Oleic Acid	A	X	A	A
Oleic Alcohol	A	A	A	A
Oleum (Sulfuric Acid, 0 to 50%)	A	A	X	A
Olive Oil	A	X	A	A
Ortho Dichloro Benzene	-	X	X	A
Oxalic Acid	A	A	B	A
Oxygen-Cold	A	A	B	-
Ozone	A	A	X	X
Palm Kernel Oil	A	X	A	A
Palm Oil	A	X	A	A
Palmitic Acid	A	C	B	A
Para Dichloro Benzene	-	X	X	A
Paraffin	A	X	A	A
Paraffin Oil	A	X	A	A
Peanut Oil	A	X	A	A
Pectin	A	A	A	A
Penta Chloro Diphenyl	X	X	X	C
Penta Chloro Phenol	-	B	X	-
Pentane	A	X	A	A
Pentanol	A	A	B	B
Perchloric Acid	A	B	X	A
Perchloro Ethylene	A	X	X	B
Petroleum	A	X	A	A
Petroleum Ether	A	X	A	A
Petroleum-Above 120°C	-	X	X	-
Petroleum-Below 120°C	-	X	A	-
Phenol	A	X	X	B
Phenyl Benzene	A	X	X	B
Phenyl Ether	A	X	X	X
Phenyl Hydrazine	A	A	X	-
Phenyl Hydrazine	A	X	X	B
Phosphine	A	A	X	B

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Phosphoric Acid	A	B	X	A
Phosphoric Acid 45%	A	A	B	A
Phosphorous Trichloride	A	A	X	A
Photographic Developing Bath	A	B	A	A
Phthalic Acid	A	A	B	B
Phthalic Anhydride	A	A	-	-
Picoline, alpha	A	A	-	X
Picric Acid, Aqueous Solution	A	B	B	A
Pine Oil	A	X	B	A
Pineapple Juice	A	A	A	A
Pinene	-	X	B	A
Piperidine	-	X	X	X
Polyvinyl Acetates	A	A	-	X
Potassium Bicarbonate	A	A	A	A
Potassium Dichromate	A	A	A	A
Potassium Perfluoroacetate	A	A	B	X
Potassium Acetate	A	A	B	B
Potassium Aluminium Sulfate	A	A	-	-
Potassium Bisulfate	A	A	A	A
Potassium Borate	A	A	A	A
Potassium Bromate	A	A	A	A
Potassium Bromide	A	A	A	A
Potassium Carbonate	A	A	A	A
Potassium Chlorate	A	A	X	A
Potassium Chloride	A	A	A	A
Potassium Chromate	A	A	B	A
Potassium Cupro Cyanide (aqueous solution)	A	A	A	A
Potassium Dichromate (aqueous solution)	A	A	A	-
Potassium Hydroxide (aqueous solution)	A	A	B	X
Potassium Hydroxide (Solution 50%)	A	A	B	C
Potassium Hydroxide, Potassium Lye	A	A	B	X
Potassium Hypochlorite (Javelle water)	A	B	B	A
Potassium Iodide	A	A	A	A
Potassium Nitrate	A	A	B	A
Potassium Nitrate (aqueous solution)	A	A	A	A
Potassium Perchlorate	A	A	X	A
Potassium Permanganate	A	A	X	A
Potassium Persulfate	A	A	X	A
Potassium Phosphate	A	A	A	A
Potassium Sulfate	A	A	A	A
Potassium Sulfite	A	A	A	A
Potassium Sulphate (aqueous solution)	A	A	A	A
Propane	A	X	A	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Propanol	A	A	B	A
Propanone (Acetone)	A	A	X	X
Propene	A	A	B	A
Propinyl Alcohol	A	A	A	A
Propion Aldehyde	A	A	X	X
Propionic Acid	A	B	A	A
Propyl Acetate	A	B	X	X
Propyl Acetone	A	A	X	X
Propyl Alcohol	A	A	A	-
Propyl Amine	A	X	X	X
Propyl Nitrate	A	A	X	X
Propylene	A	X	X	A
Propylene Dichloride	A	X	X	-
Propylene Glycol	A	A	A	A
Propylene Oxide	A	B	X	X
Pyridine	B	B	X	B
Pyrrole	A	X	X	X
Radiation	A	A	C	-
Rapeseed Oil	A	X	B	A
Roast Gas (dry)	A	A	A	A
Rosin (Colophony)	A	A	A	A
Salicylic Acid	A	A	B	A
Sea Water	A	A	A	B
Sewage	A	A	A	A
Silcone grease	A	A	A	A
Silicate Esters	A	X	B	-
Silicic Acid	A	A	A	A
Silicon Dioxide	A	A	A	A
Silicone Greases	A	A	A	-
Silicone Oil	A	A	A	A
Silver Cyanide Solution	A	X	X	A
Silver Nitrate	A	A	B	A
Silver Salts	A	A	A	A
Skydrol 500	A	A	X	X
Skydrol 7000	A	A	X	B
Soap Solutions	A	A	A	A
Soda (Sodium Carbonate)	A	A	A	A
Soda Ash	A	A	A	A
Sodium Acetate	A	A	B	X
Sodium Acetate (aqueous solution)	A	A	B	X
Sodium Benzoate	A	A	A	A
Sodium Bicarbonate (aqueous solution)	A	A	A	A
Sodium Bicarbonate Solution	A	A	A	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Sodium Bisulfate Solution	A	A	A	A
Sodium Bisulfite Solution	A	A	A	A
Sodium Borate (aqueous solution)	A	A	A	A
Sodium Borate (Borax)	A	A	B	A
Sodium Carbonate (aqueous solution)	A	A	A	A
Sodium Carbonate (Soda Ash)	A	A	A	A
Sodium Carbonate Solution	A	A	A	A
Sodium Chlorate	A	A	B	A
Sodium Chloride (aqueous solution)	A	A	A	A
Sodium Chloride (Common Salt)	A	A	A	A
Sodium Chloride Solution	A	A	A	A
Sodium Chlorite	A	A	X	A
Sodium Cyanide (aqueous solution)	A	A	A	A
Sodium Cyanide Solution	A	A	B	-
Sodium Dichromate	A	A	B	A
Sodium Fluoride	A	A	A	A
Sodium Hydroxide	A	A	B	C
Sodium Hydroxide (aqueous solution)	A	A	B	B
Sodium Hydroxide 30%	A	A	B	-
Sodium Hydroxide, Caustic Soda	A	A	B	B
Sodium Hypochlorite (aqueous solution)	A	A	B	-
Sodium Hypochlorite 15%	A	C	X	-
Sodium Hypochlorite Solution	A	A	B	A
Sodium Metaphosphate (aqueous solution)	A	A	A	A
Sodium Nitrate	A	A	B	A
Sodium Nitrate (aqueous solution)	A	A	B	A
Sodium Nitrite	A	A	X	A
Sodium Perborate (aquatic Solution)	A	A	B	A
Sodium Peroxide (aqueous solution)	A	A	B	B
Sodium Peroxide Solution	A	A	B	A
Sodium Phosphate	A	A	A	A
Sodium Phosphate (aqueous solution)	A	A	A	A
Sodium Silicate (aqueous solution)	A	A	A	A
Sodium Silicate Solution	A	A	A	A
Sodium Sulfate Solution (Glauber's Salt)	A	A	B	B
Sodium Sulphydrate Solution	A	A	A	A
Sodium Sulfide	A	A	B	A
Sodium Sulfite Solution	A	A	A	A
Sodium Sulphate (aqueous solution)	A	A	A	A
Sodium Tetraborate Solution	A	A	B	A
Sodium Thiosulfate (Antichlor)	A	A	B	A
Sodium Thiosulfate (aquatic Solution)	A	A	B	A
Soy Bean Oil	A	X	A	A

Global leaders in flexible couplings,
drainage & plumbing systems



Chemical Medium	FEP	EPDM	NBR	FKM
Sperm Oil	A	B	A	A
Spermacetin	A	X	A	A
Spirits	A	A	A	A
Stannic Chloride (aqueous solution)	A	A	A	A
Stannic Chloride Solution	A	A	A	A
Stannous Chloride (aqueous solution)	A	A	A	-
Starch	A	A	A	A
Stearic Acid	A	B	B	A
Styrene	A	X	X	A
Succinic Acid	A	A	A	A
Sucrose Sap	A	A	A	A
Sucrose Solution	A	A	A	-
Sugar Solutions	A	A	A	A
Sulfur	A	A	X	A
Sulfur Chloride	X	X	X	A
Sulfur Dioxide (SO ₂)	A	A	X	B
Sulfur Dioxide Liquid (anhydrous)	A	A	X	X
Sulfur Dioxide, gaseous	A	A	X	X
Sulfur Hexafluoride (SF ₆)	A	A	B	B
Sulfuric Acid (0 to 50%)	A	B	X	B
Sulfuric Acid, diluted	A	A	B	A
Sulfurous Acid	A	B	-	A
Sulphur	A	A	X	-
Sulphur Dioxide (Dry)	A	A	X	-
Sulphur Dioxide (Wet)	A	A	X	-
Sulphur Trioxide	A	A	X	-
Sulphuric Acid (20%)	A	X	X	-
Sulphuric Acid (Conc.)	A	C	X	-
Sulphuric Acid (Dilute)	A	X	C	-
Sulphuric Acid 40%	A	X	X	-
Sulphurous Acid	A	A	B	-
Talcum	A	A	A	A
Tallow	A	B	A	A
Tannic Acid	A	A	A	-
Tar	A	X	X	B
Tartaric Acid	A	B	A	A
Tetrachloroethylene	A	X	X	A
Tetrachloromethane	A	X	X	A
Tetrahydrofuran	A	X	X	X
Thionyl Chloride	A	B	X	A
Thiophene	A	X	X	X
Titanium Tetrachloride	-	B	B	B
Toluene (Toluol)	A	X	X	B

Global leaders in flexible couplings,
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Chemical Medium	FEP	EPDM	NBR	FKM
Toluene Diisocyanate	A	A	X	X
Transformer Oil	A	X	B	A
Triacetin (Glycerine Triacetate)	A	A	B	X
Triaryl Phosphate	A	A	X	A
Tributoxy Ethyl Phosphate	-	B	X	B
Tributyl Marcaptane	-	X	X	A
Tributyl Phosphate	-	B	X	X
Trichloro Benzene	-	X	-	A
Trichloro Ethane	-	B	X	A
Trichloro Ethyl Phosphate	-	-	X	X
Trichloro Ethylene	-	B	X	B
Trichloroacetic Acid	A	B	B	X
Tricresyl Phosphate	-	B	X	B
Triethanolamine	A	A	-	-
Triethyl Borane	-	-	-	A
Triethyl Glycol	A	A	A	A
Triethylaluminium	-	X	-	B
Trifluoro Ethane	-	X	X	A
Tri-Iso-Propyl Benzene	-	X	A	A
Trinitrotoluene (TNT)	-	X	X	B
Trioctyl Phosphate	A	A	X	B
Trisodium Phosphate Solution	A	A	A	A
Turpentine	A	X	A	A
Urea	A	A	A	A
Vaseline	A	X	A	A
Vaseline Oil	A	X	A	A
Vegetable Juices	A	A	A	A
Vegetable Oils	A	X	A	A
Vinegar	A	A	B	B
Vinyl Acetate	A	B	C	C
Vinyl Chloride, liquid	A	X	X	X
Vinylidene Chloride	A	X	X	B
Waste Gas (cont. Carbon Dioxide)	A	A	A	A
Waste Gas (cont. Carbon Monoxide)	A	A	A	A
Waste Gas (cont. Hydrogen Chloride)	A	A	B	A
Waste Gas (cont. Hydrogen Fluoride)	A	A	A	A
Waste Gas (cont. Nitrous Fumes)	A	A	-	A
Waste Gas (cont. Sulfur Dioxide)	A	A	B	A
Waste Gas (cont. Sulfuric Acid)	A	A	X	A
Water	A	A	A	A
Water steam < +150 °C / +302 °F	A	A	X	X
Water steam > +150 °C / +302 °F	A	B	X	X
Water to +135 °C / +275 °F	A	A	X	C

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Chemical Medium	FEP	EPDM	NBR	FKM
Water to +80 °C / +176 °F	A	A	B	B
Water vapour < +140 °C / +284 °F	A	A	X	X
Water vapour > +140 °C / +284 °F	A	B	X	X
Wax Alcohols	A	X	A	A
Whiskey	A	A	A	A
Wine	A	A	A	A
Wood Oil	A	X	A	-
Wood Spirit	A	A	B	C
Xenon	A	A	A	A
Xylene (Xylol)	A	X	X	B
Xylidines (aromatic Amines)	A	B	X	X
Yeast	A	A	A	A
Zeolites	A	A	A	A
Zinc Acetate	A	A	B	B
Zinc Acetate (aqueous solution)	A	A	B	B
Zinc Chloride (aqueous solution)	A	A	A	A
Zinc Chloride Solutions	A	A	A	A
Zinc Sulfate	A	A	A	A
Zinc Sulphate (aqueous solution)	A	A	A	A

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