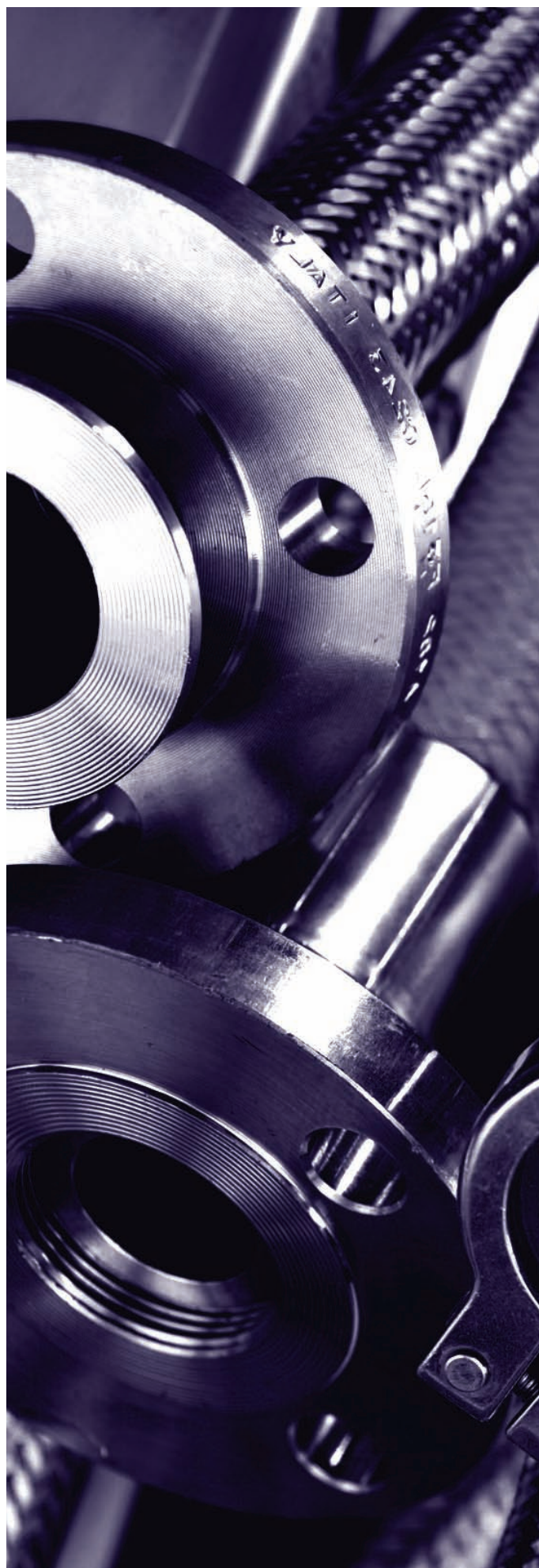


# chemical compatibility



MEDIUM	NBR	SBR	NR	PUR	XLPE UHMWPE	PVC	EPDM
(Alpha) Methyl Styrene (25°C)	C	-	C	-	A	-	C
Acetaldehyde	C	B	B	B	A	-	A
Acetamide	C	-	C	-	A	-	A
Acetic Acid (100%)	-	C	C	C	C	-	C
Acetic Acid Anhydride (20°C)	C	A	B	C	A	-	A
Acetic Acid (60%)	-	C	B	C	C	40°A	C
Acetone	C	A	A	-	A	-	A
Acetonitrile	-	-	-	-	A	-	B
Acetophenone	C	-	C	-	A	-	A
Acetylacetone	C	-	C	-	A	-	A
Acid Salt (37%)	C	-	B	C	A	40°A	A
Acid Salt (20%)	B	-	B	-	A	40°A	A
Acryl Acid	C	-	C	-	C	-	A
Acrylonitrile	C	C	C	-	A	-	C
Adipic Acid	A	A	A	-	A	-	A
Allyl Alcohol	A	A	A	-	B	20°B	A
Alum	A	B	A	A	A	40°A	A
Aluminium Nitrate	A	-	A	-	B	-	A
Aluminium Chloride	A	-	A	B	A	60°A	A
Ammonia Solution (40°C)	-	A	-	-	-	-	-
Ammonium Persulphate	A	-	A	B	A	-	A
Ammonium Sulphate	A	A	A	A	A	60°A	A
Ammonium Nitrate	A	A	A	A	A	40°A	-
Ammonium Chloride	A	A	A	A	A	40°A	A
Ammonium Hydroxide	A	-	A	-	A	40°A	A
Ammonium Phosphate	A	A	A	A	A	60°A	A
Amyl Acetate	C	C	B	-	B	-	A
Amyl Alcohol	A	A	A	B	A	40°A	A
Aniline	C	C	C	-	A	-	A
Barium Chloride	A	-	A	A	A	-	A
Benzaldehyde	C	B	C	C	A	-	-
Benzene	C	C	C	C	A	-	C
Benzyl Alcohol	C	-	A	-	A	20°B	A
Benzyl Chloride (25°C)	C	-	C	-	C	-	C
Borax (Disodium Tetraborate)	A	A	A	A	A	40°A	A
Bromine	C	C	C	B	C	-	C
Bromine Benzene (25°C)	C	-	C	-	B	-	C
Bunker Oil	A	-	C	-	C	-	C
Butanone (Methyl Ethylketone)	C	-	B	-	A	-	A
Butyl Acetate	C	C	C	-	A	-	A
Butyl Aldehyde	C	-	C	-	A	-	A
Butyl Alcohol	A	A	A	C	A	40°A	A
Butyric Acid	C	-	C	-	A	-	A
Butyric Acid Ethyl	C	-	C	-	A	-	A
Butyl Ether	C	-	C	C	A	-	C
Calcium Hydroxide (Lime Water)	A	A	A	C	A	60°A	A
Calcium Hypochlorite	C	C	A	-	A	40°A	A
Calcium Nitrate	A	A	A	A	A	40°A	A
Calcium Chloride	A	A	A	A	A	40°A	A
Calcium Salt	A	-	A	-	A	-	A
Calcium Sulphide	A	-	A	A	A	-	A

# chemical compatibility

MEDIUM	NBR	SBR	NR	PUR	XLPE UHMWPE	PVC	EPDM
Carbon Dioxide Gas	A	A	A	A	A	60°A	A
Carbon Tetrachloride Hydrogen	C	C	C	B	C	-	C
Carbon Disulphide	C	C	B	C	B	-	C
Carbonic Acid Gas	A	-	A	A	A	60°A	A
Caustic Soda (Sodium Hydroxide 20%)	B	B	B	B	A	40°A	A
Chloroacetic Acid (25%C)	C	C	C	C	A	-	-
Chlorobenzene (25°C)	C	C	C	C	A	-	-
Chlorodifluoridemetane (25°C)	-	-	-	-	-	-	-
Chloroform (Trichloromethane)	C	C	C	C	A	-	C
Chlorosulphonic Acid	C	C	C	C	C	-	-
Chlorine Water (0,5% Chlorine)	C	C	C	B	A	40°B	A
Chromic Acid (25% -40°C)	C	C	C	-	A	40°A	B
Citric Acid	A	A	A	A	A	40°A	A
Copper Cyanide	A	-	C	B	A	-	A
Copper Acetate	A	-	C	-	A	-	A
Cresol	C	C	C	C	C	20°B	-
Cresylic Acid	C	-	C	C	C	-	-
Cyclo Hexylamine	C	C	C	-	A	-	-
Cyclohexane	A	C	C	-	A	-	C
Cyclohexanol	A	C	A	C	A	60°A	A
Decahyronapthalene	A	C	C	A	A	-	C
Decalin	A	C	C	A	A	-	C
Diacetone Alcohol	C	A	A	B	A	-	A
Dibutyl Phthalate	C	C	C	B	A	-	A
Dibutyl Sebecate	C	C	C	C	A	-	A
Dichloroethane	C	C	C	-	A	-	C
Dichloromethane (25°C)	C	C	C	C	C	-	C
Diesel Oil	A	C	C	B	A	40°A	C
Diethyl Ether	C	C	C	B	A	20°B	-
Diethylamine	C	C	C	B	A	20°B	-
Diethylene Glycol	A	A	A	B	A	-	A
Diisobutylene	-	C	C	-	A	-	C
Dimethyl Amine	C	C	C	-	A	20°B	-
Dimethyl Aniline	C	-	C	C	A	-	B
Dimethyl Formamide	C	C	A	B	A	-	A
Dimethyl Sulphoxide	C	-	C	-	-	-	A
Dioctyl Sebecate	C	C	C	B	A	-	A
Dioctyl Phthalate	C	C	C	-	A	-	A
Dioxane (Diethylene Oxide 60°C)	C	B	C	C	A	-	A
Ethyl Acrylate	C	-	C	-	A	-	-
Epichlorohydrin	C	-	C	C	A	-	A
Ethanol	A	A	A	B	A	-	A
Ethanolamine	-	-	A	-	A	-	A
Ethyl Ether	C	C	C	-	C	-	C
Ethyl Mercaptan	C	-	C	-	A	-	-
Ethyl Glycol	A	A	A	B	A	60°A	A
Ethyl Benzole	C	C	C	-	B	-	C
Ethyl Chloride (Dichlorethane)	C	C	C	-	A	-	C
Ethyl Alcohol (Ethanol)	A	A	A	B	A	-	A
Ethyl Acetate (Acetal)	C	B	C	-	A	-	A
Ethylene Glycolmono Ethylether Acetate	C	A	A	-	A	-	A

MEDIUM	NBR	SBR	NR	PUR	XLPE UHMWPE	PVC	EPDM
Ethylene Glycolmono Ethylether	A	-	A	-	A	-	A
Fatacids	A	-	C	A	B	60°A	A
Ferric Nitrate	A	-	A	-	A	-	A
Ferric Chloride	A	A	A	B	A	-	A
Ferric Sulfate	A	-	A	B	A	-	A
Fluosilicic Acid (50%)	C	A	C	-	A	-	A
Formaldeyde Solution (40%)	B	A	B	B	A	40°A	A
Formic Acid	C	B	C	-	A	-	A
Furfural	C	-	A	-	A	-	A
Furfuröl	C	-	A	-	A	-	A
Glacial Acetic Acid (Acetic Acid 100%)	C	C	B	C	C	-	C
Glucose	A	A	A	A	A	40°A	A
Glycols	A	A	A	B	A	60°A	A
Heating Oil ASTM-A (Isooctane)	A	C	C	B	A	-	C
Heating Oil	A	C	C	B	A	20°A	C
Heavy Petrol (Naphtalene)	C	C	B	C	C	-	C
Heptane	A	C	C	B	A	20°A	C
Hexane	A	C	C	B	A	20°A	C
Hexyl Alcohol	A	-	A	C	A	-	A
Hydrobromic Acid (Conc.)	C	-	C	C	C	20°A	A
Hydrocyanic Acid	B	-	A	B	A	-	A
Hydrofluoride Acid (75%)	C	B	B	B	A	20°B	A
Hydrogen Peroxide (35%)	C	C	B	B	-	-	A
Hydrogen Chloride (37%)	C	C	B	-	A	-	A
Isobutyl Acetate	C	-	C	-	A	-	A
Isophorone	C	-	C	C	A	-	A
Isopropanol (Isopropyl Alcohol)	A	A	A	B	A	20°A	A
Isopropyl Benzene (40°C)	C	-	C	-	A	-	C
Isopropyl Alcohol	A	A	A	B	A	20°A	A
Lead Acetate	A	A	A	A	A	60°A	A
Lead Arsenate	A	-	A	A	A	-	A
Light Petrol	A	-	C	-	A	-	C
Liquid Ammonia	A	-	A	C	A	60°A	A
Magnesium Caustic	A	-	A	A	A	-	A
Magnesium Chloride	A	A	A	A	A	-	A
Magnesium Sulphate	A	A	A	A	A	-	A
Mercury	A	A	A	A	A	60°A	A
Mercury Salt	A	A	A	-	A	40°A	A
Methanol (Methyl Alcohol)	A	A	A	B	A	40°A	A
Methyl Acetate	C	-	C	C	A	-	A
Methyl Amine (Solution 30% - 20°C)	C	B	A	-	A	20°B	B
Methyl Acrylate	C	C	C	-	A	-	-
Methyl Chloride Gas	C	C	C	C	B	-	C
Methyl Isobutyl Ketone	C	C	C	C	A	-	A
Methylene Chloride (20°C Dichlorometane)	C	C	C	C	C	-	C
Naphta	A	C	C	B	A	-	C
Naphtalene	C	C	C	B	C	-	C
Nickel Sulphate	A	A	A	B	A	-	A

# chemical compatibility

MEDIUM	NBR	SBR	NR	PUR	XLPE UHMWPE	PVC	EPDM
Nitric Acid (60°C - 20%)	C	C	C	C	A	-	B
Nitric Acid 100%	C	C	C	C	C	-	C
Nitric Acid (Fuming 100%)	C	C	C	C	C	-	C
Nitro Propane	C	B	B	C	A	-	A
Nitro Benzene (40°C)	C	C	C	C	A	-	C
Nitrogen Gas	A	A	A	A	A	-	A
Octane	A	-	C	A	A	-	C
Oleic Acid	A	-	-	C	B	A	A
Oleum	C	C	C	C	C	-	C
Oxalic Acid	B	B	A	C	A	60°A	A
Ozone	C	C	C	A	B	20°A	A
Palmitic Acid	A	C	B	A	B	20°A	A
Paraffine (Alkane)	A	C	C	B	A	40°A	B
Perchlorethylene (20°C)	C	C	C	C	B	-	C
Petrol (Super)	A	C	C	C	A	-	C
Petrol with 60% Benzene	A	C	C	B	A	-	C
Petroleum Ether	A	C	C	B	A	60°A	C
Petroleum	A	C	C	A	A	20°A	C
Phenol (Carbolic Acid 60°C)	C	C	C	C	B	20°B	A
Phosphoric Acid (60°C)	B	A	B	C	A	40°A	A
Phosphoric Chloride (50°C)	C	-	C	-	B	-	-
Picric Acid (Alcohol Solution)	B	B	B	C	A	20°A	A
Potassium Chlorate	A	B	A	A	A	60°A	A
Potassium Chloride	A	A	A	A	A	60°A	A
Potassium Hydroxide Solution	B	-	A	A	A	40°A	A
Potassium Carbonate	A	A	A	B	A	40°A	A
Potassium Cyanide	A	A	A	B	A	60°A	A
Potassium Permanganate	C	B	C	A	A	40°A	A
Potassium Sulphate	A	B	A	A	A	40°A	A
Potassium Bromide	A	A	A	-	A	40°A	A
Potassium Iodide	A	A	A	-	A	60°A	A
Potassium Nitrate	A	A	A	A	A	60°A	A
Propionic Acid Ethyl Ester	C	C	A	-	A	60°A	A
Propyl Alcohol	A	A	A	B	A	20°A	A
Propyl Acetate	C	-	B	-	A	-	A
Pyridine	C	C	C	C	A	-	B
Salt Solution	A	A	A	B	A	40°A	A
Silicone Grease	A	A	A	A	A	-	A
Silicone Oil	A	A	A	A	A	20°A	A
Silver Salt	A	B	-	A	A	40°A	A
Sodium Thiosulphate	A	A	A	B	A	40°A	A
Sodium Nitrate	A	A	A	A	A	40°A	A
Sodium Sulphide	A	A	A	A	A	40°A	A
Sodium Hypochloride (13%)	C	C	C	B	B	40°A	A
Sodium Sulphate	A	A	A	A	A	40°A	A
Sodium Phosphate	A	A	A	B	A	40°A	A
Sodium Silicate	A	A	A	B	A	40°A	A
Sodium Acetate	A	-	A	B	A	20°A	A
Sodium Perborate	A	-	A	-	A	-	A
Sodium Hypochlorite (13%)	C	C	C	B	B	40°A	A

MEDIUM	NBR	SBR	NR	PUR	XLPE UHMWPE	PVC	EPDM
Sodium Bisulphite	A	A	A	C	A	40°A	A
Sodium Chloride	A	A	A	B	A	40°A	A
Sodium Cyanide (30%)	A	-	A	B	A	-	A
Sodium Hydroxide (20%)	B	B	B	B	A	40°A	A
Sodium Carbonate	A	A	A	B	A	60°A	A
Spirits of Nitre (40°C - 40%)	C	B	C	C	-	40°A	B
Stearic Acid	A	A	A	A	A	60°A	A
Styrene Monomer (20°C)	C	C	B	C	A	-	C
Sugar	A	-	A	A	A	40°A	A
Sulfur Chloride	C	B	-	C	A	-	B
Sulphur Dioxide (Dry 60%)	C	B	C	B	A	60°A	A
Sulphuric Acid (10%)	C	B	C	B	A	20°B	A
Sulphuric Acid (96% -20°C)	C	B	C	C	A	C	C
Sulphuric Acid Anhydride (Sulphur Trioxide)	C	-	-	C	C	-	B
Sulphuric Acid (100% fuming)	C	B	C	C	C	C	C
Sulphuric Acid (20% - 50°C)	B	B	B	A	A	C	A
Sulphuric Acid (75% - 50°C)	C	B	C	C	A	C	B
Sulphuric Acid (50% - 50°C)	C	B	B	B	A	C	A
Tannin (Tannic Acid)	C	A	C	C	A	20°B	A
Turpentine	A	C	C	C	A	20°A	C
Test Fuel (White Spirit)	A	C	C	B	A	-	C
Tetrachlor Ethane	C	C	C	-	A	-	C
Tetrahydrofuran	C	C	C	-	B	-	C
Toluol (20°C)	C	C	C	C	B	-	C
Trichlor Ethylene	C	C	C	C	C	-	C
Trietamine	A	-	C	-	A	-	C
Triethanolamine (20°C)	A	C	A	C	A	20°B	A
Trimethyl Amine	A	-	C	-	A	-	C
Urea	A	A	A	B	A	40°A	A
Vinyl Acetate	C	C	C	-	A	-	A
Water	A	A	A	A	A	A	A
White Spirit	A	C	C	B	A	-	C
Wine Acid	A	A	A	A	A	-	A
Xylene	C	C	C	C	C	-	C
Zinc Acetate	A	C	A	C	A	-	A
Zinc Chloride	A	-	A	B	A	-	A
Zinc Sulfate	A	-	A	B	A	-	A

- N.B.R.** : Nitrile butadiene rubber
- S.B.R.** : Styrene-butadiene rubber
- NR.** : Natural rubber
- PUR (AU)** : Polyurethane
- XLPE.** : Cross -linked polyethylene
- PVC.** : Poly-vinyl-chloride
- E.P.D.M.** : Ethylene propylene diene rubber
- A** : Excellent service
- B** : Limited service
- C** : Not recommended

The chemical resistance tables are believed to be reliable but must be used as a guide only.