

	Natural NR	Ethylene Propylene EPDM	Butyl IIR	Neoprene CR	Nitrile NBR	Silicone SI	Fluorocarbon (Viton®) FKM		Natural NR	Ethylene Propylene EPDM	Butyl IIR	Neoprene CR	Nitrile NBR	Silicone SI	Fluorocarbon (Viton®) FKM
Resistance to Heat – max. continuous	75°C	130°C	130°C	95°C	100°C	160°C	200°C								
Resistance to Heat – max. intermittent	105°C	150°C	150°C	125°C	125°C	200°C	230°C								
Resistance to Low Temperature	-30°C	-40°C	-30°C	-20°C	-20°C	-55°C	-20°C								
Resistance to Oxidation	Fair	Excellent	Excellent	Very Good	Good	Excellent	Outstanding								
Resistance to Ozone & Weather	Poor	Outstanding	Outstanding	Very Good	Fair	Outstanding	Outstanding								
Physical Strength	Excellent	Good	Good	Good	Good	Fair/Poor	Good								
Abrasion Resistance	Excellent	Good	Good	Good	Good	Poor	Good								
Flame Resistance	Poor	Poor	Poor	Excellent	Poor	Good	Excellent								
Permeability to Gases	Fair	Fairly Low	Excellent	Low	Low	Fairly Low	Very Low								
Steam (less than 120°C)	D	A	C	D	D	D	D	Lye	B	A	A	C	C	C	C
Water	A	A	A	B	A	A	A	Magnesium Chloride	A	A	A	A	A	A	A
Water (potable)	*	*	*	*	*	*	*	Methane	D	D	D	C	A	D	C
								Methyl Alcohol (Methanol)	A	A	A	A	A	A	D
Air	A	A	A	A	A	A	A	Methyl Chloride	D	D	D	D	D	D	C
Acetic Acid (10%)	D	A	A	C	D	A	D	Methyl Ethyl Ketone	D	A	A	D	D	D	D
Acetone	B	A	A	C	D	D	D	Methylene Chloride	D	D	D	D	D	D	C
Acetylene	D	D	D	C	A	C	A	Mineral Oils	D	D	D	D	A	B	A
Adipic Acid	A	A	A	A	A			Naptha	D	D	D	D	B	D	A
Aluminium Chloride	A	A	A	A	A	C	A	Natural Gas	D	D	D	B	A	B	A
Ammonia (Anhydrous, dry)	D	A	A	A	C	C	D	Nitric Acid (10%)	B	A	A	B	D	B	A
Ammonium Chloride	A	A	A	A	A	C	A	Nitrogen	A	A	A	A	A	A	A
Ammonium Hydroxide (10%)	B	A	A	B	B	B	B	Octane	D	D	D	D	B	D	A
Aniline	D	B	B	D	D	D	C	Oleum	D	D	D	D	D	D	C
Benzene	D	D	D	D	D	D	C	Oxalic Acid (25%, 70°C)	B	B	A	C	C	C	A
Bleach Solutions	D	A	A	D	D	C	A	Oxygen	B	A	A	A	C	A	A
Brine	D	D	D	D	D	D	A	Perchloroethylene	D	D	D	D	D	D	A
Bromine (Anhydrous)		D	D	D	D	D	A	Phenols	A	B	A	C	D	A	A
Bunker Fuel	D	D	D	D	A	C	A	Phosphoric Acid (50%)	C	A	A	C	D	C	A
Butane	D	D	D	B	A	D	A	Potassium Dichromate (10%)	B	A	A	A	A	A	A
Butyl Alcohol (50°C)	A	C	C	A	A	C	A	Potassium Hydroxide (50%)	B	A	A	C	B	C	D
Calcium Chloride	A	A	A	A	A	A	A	Potassium Nitrate	A	A	A	A	A	A	A
Calcium Hydroxide	B	A	A	A	B	B	A	Propane	D	C	D	C	A	D	A
Calcium Hypochlorite (15%)	C	A	A	D	D	C	A	Pyridine	D	D	C	D	D	D	D
Carbon Dioxide	B	C	C	C	A	C	C	Refrigerants (uncontaminated)							
Carbon Disulphide	D	D	D	D	D	D	A	R12	D	C	C	A	A	D	C
Carbon Tetrachloride	D	D	D	D	D	D	A	R13	A	A	A	A	A	D	C
Chlorine (dry)	D	D	D	D	D	D	B	R22	B	A	A	A	A	D	D
Chlorine (wet)	D	D	D	D	D	D	B	R134A	A	A	A	A	A	B	D
Chromic Acid (40%)	D	C	D	D	D	D	A	Sea Water	A	A	A	B	A	A	A
Creosote	D	D	D	D	B	D	A	Soap Solution	B	A	A	B	A	A	A
Diesel Oil	D	D	D	C	A	D	A	Soda Ash	A	A	A	A	A	A	A
Diethyl Ether	D	D	D	D	D	D	D	Sodium Bicarbonate	A	A	A	A	A	A	A
Ethane	D	D	D	C	A	D	A	Sodium Dichromate (10%)		A					
Ethanolamines (less than 5%)	B	B	B	D	D	B	D	Sodium Hydroxide (50%)	C	B	B	B	C	B	D
Ether	D	D	D	D	D	D	D	Sodium Hypochlorite (20%)	C	B	C	D	C	C	C
Ethyl Alcohol (Ethanol)	B	A	A	A	A	A	A	Styrene	D	D	D	D	D	D	D
Ethylene		B			A		D	Sulphur Dioxide (dry)	B	A	B	D	D	C	A
Ethylene Glycol	B	A	A	A	A	A	A	Sulphur Dioxide (wet)		A	A		D	C	A
Ethylene Oxide	D	D	D	D	D	D	D	Sulphur Trioxide	B	C	C	D	D	C	A
Ferric Chloride (wet)	A	A	A	C	A	C	A	Sulphuric Acid (10%)	B	A	A	B	C	D	B
Foodstuffs (FDA)	*	*	*	*	*	*	*	Tannic Acid	A	A	A	C	A	C	A
Formaldehyde (40%)	B	A	B	D	D	C	D	Titanium Tetrachloride	D	D	D	D	B	D	C
Formic Acid	C	A	D	B	D	C	D	Toluene	D	D	D	D	D	D	A
Glycerine	A	A	A	A	A	A	A	Transformer Oil	D	D	D	C	A	B	A
Green Liquor (Sulphate)	B	A	A	C	C	A	A	Trichloroethane	D	D	D	D	D	D	B
Heavy Oils							A	Trichloroethylene	D	D	D	D	D	D	A
Hydrobromic Acid (37%)	A	A	A	D	D	D	A	Turpentine	D	D	D	D	A	D	A
Hydrochloric Acid (37%)	D	C	C	D	C	D	A	Urea Solution (30%)		A	A	A	A		A
Hydrofluoric Acid (48%)	C	B	B	A	D	D	A	Vinyl Chloride	D	C	D	D	D		A
Hydrogen Peroxide (less than 30%)	D	A	D	B	B	A	A	White Spirit	D	D	D	D	B	D	A
Hydrogen Sulphide (dry, 5%)	A	A	A	A	A	D	D	Xylene	D	D	D	D	D	D	A
Isobutyl Alcohol	B	C	A	A	C	A	A								
Isopropyl Alcohol	B	A	A	A	C	A	A								
Kerosene (70°C)	D	D	D	D	A	D	A								
Liquid Petroleum Gas	D	D	D	C	A	D	A								

A = Suitable in most cases  
 B = Suitable but with some swell/attack  
 C = Check with Technical Team  
 D = Not suitable  
 \* = Suitability will depend on grade selected

The information on compatibility should only be used as a general guide to the selection of the most suitable material; customers must assure themselves that the parts supplied will be safe in use and have been appropriately tested. If in doubt contact the Technical Team.  
 All media considered at 20°C unless otherwise stated.  
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