



Recommended Materials Chart

All recommendations are based on fluid temperature of 70°F. Since the resistance of metals, plastics, and elastomers can be affected by concentration, temperature, presence of other chemicals and other factors, this information should be considered as a general guide. Ultimately, the customer must determine the suitability of the material to be used.

FLUID	BODY MATERIAL	GASKET MATERIAL	FLUID	BODY MATERIAL	GASKET MATERIAL
Acetic Acid	AEP	EP	Copper Chloride-Dry	CSP	BN
Acetic Anhydride	AEP	NE	Copper Sulfate	EP	BN
Acetone	ACESPN	EP	Copperized Super Compound	P	BN
Acetylene-dry	AEC	NE	Corn Oil	EPN	BN
Agricultural Lime Solutions	CESPN	BN	Cottonseed Oil	AEPN	BN
Air	ABCEN	BN	Cresote	ABCES	VT
Alcohol-Amyl	BCESPN	BN	Cresylic Acid	ABCES	VT
Alcohol-Butyl	ABCEPN	BN	Cyclohexane	ABCESN	VT
Alcohol-Thyl	BCESPN	VT	Detergents	EPN	BN
Alcohol-Isopropyl	ABCESPN	BF	Developer Solution	P	BN
Alcohol-Methyl	BCESPN	BF	Dextrose	AEN	BN
Alum	E	BN	Diesel Fuels	ABCESPN	BF
Aluminum Chloride	P	BN	Deithylene Glycol	ABCESP	BF
"Aluminum Floride, 20%"	ABCP	BN	Deithyl Sebacate	☎	☎
Aluminum Nitrate	EP	BN	Disodium Phosphate	P	BN
Aluminum Potassium Sulfate	AEP	BN	Dowtherm	S	VT
Aluminum Sulfate	EP	BN	Ethanolamine	ACES	NE
Ammonia-Gas or Liquid	ACSPN	NE	Ether	ABEN	BN
Ammonium Chloride -Dry	CP	BN	Ethyl Acetate	CESPN	EP
Ammonium Hydroxide	ACEP	EP	Ethyl Chloride-Dry	ABE	BN
Ammonium Nitrate	AESP	BN	Ethylene	BCE	BF
Ammonium Phosphate	EP	BN	Ethylene Dichloride-Dry	ABCES	VT
-Mono-Basic	E	BN	Ethylene Glycol	ABCESPN	BF
-DI Basic or Tri-Basic	AEP	BN	Ethylene Oxide	E	TF
Ammonium Sulfate	CEP	BN	Fatty Acids	EPN	BN
Aniline	ACESP	EP	Ferric Chloride	BP	BN
Arsenic Acid	EP	BN	Ferric Hydroxide	P	BN
Asphalt	BCES	VT	Ferric Nitrate	EP	BN
Barium Chloride	BCEP	TF	Ferric Sulfate	EP	BN
Barium Hydroxide	CESP	BN	Flourboric Acid	EP	☎
Barium Sulfide	ESP	BN	"Formaldehyde, 40%"	AEP	NE
Basic Slag	P	BN	Formalin	AEP	NE
Beer	ABEN	NE	Formic Acid	AEP	NE
Benzene/Benzol	ABCESN	VT	Freon	ACESPN	NE
Benzine	ABCESN	BN	Fruit Juices-Grapefruit	EN	NE
Black Liquor (Paper Ind.)	P	VT	-Lemon	EN	NE
Bleach (12.5 Chloride)	P	VT	-Pineapple	EN	NE
Borax	CESP	SC	Furfural	ABCE	NE
Boric Acid	AEP	BN	Gas -Coke Oven	☎	☎
Brine	EPN	BN	Gasoline-Refined	ABCESN	BF
Bromic Acid	P	VT	Gasoline-Sour	AEN	BF
Burnt Limt (CA O)	ABCESPN	BN	Gelatin	AEPN	NE
Butadiene	ABCES	SC	Glucose	AEPN	NE
Butane	ABCEN	BN	Glue	ABCESPN	BN
Butenes	ABCES	VT	Glycerin	ABCESPN	BF
Butyl Acetate-Dry	ABCES	EP	Glycols	PN	BF
Butyle Stearate	ABE	BN	Green Liquors (Paper Ind.)	P	VT
Butylene	ABCE	BN	Hexane	ABCESN	VT
Cadium Cyanide	P	BN	Hydrobromic Acid	P	VT
Calcium Acetate	BEP	EP	Hydrochloric Acid	☎ P	VT
Calcium Bisulfite	EP	BN	"Hydrocyanic Acid, 50%"	AEP	EP
Calcium Chloride	☎ P	BN	"Hydroflouric Acid, 48%"	E	?
Calcium Hydroxide	BCESP	BN	Hydrogen Gas	ABCEN	BN
Calcium Hypochlorite	P	HP	Hydrogen Peroxide	EP	VT
"Calcium Nitrate, 40%"	ACEP	BN	Hydrogen Sulfate	E	☎
Carbolic Acid (Phenol)	E	VT	"Hypo"	E	BN
Carbon Dioxide -Dry	ABCEN	BN	"Hypochlorous Acid, 20%"	P	VT
Carbon Disulfide	ABCES	VT	Isobutyl Acetate	ABESPN	EP
Carbon Tetrachloride	CEN	VT	Isopropyl Acetate	CEP	EP
Carbonated Beverages	AEN	NE	Jet Fuel	ABCESN	VT
Carbonic Acid	AEN	BN	Kerosene	ABCESN	BN
Castor Oil	EPN	BN	Lacquers	ABEN	BN
Caustic Potash (KOH)	CPN	EP	"Lactic Acid, 20%"	EPN	NE
Caustic Soda (NA OH)	CPN	EP	"Lactic Acid, 50%"	EP	NE
"Cellosolves"			Lard	EPN	NE
-Butyl or Ethyl	ABCES	TF	Lead Chloride Sulfate	P	BN
-Methyl	ABCES	BN	Lime Slurry	EPN	BN
Chlorobromomethane	BE	VT	Lime Sulfur	CESPN	BN
Chloroform-Dry	ABN	NE	Linoleic Acid	EP	SC
"Chlorex"	BN	NE	Linseed Oil	EPN	BN
"Chromic Acid, 50%"	CEP	HP	L.P.G.	ABCEN	BF
Citric Acid	EPN	NE	Magnesium Carbonate	BCESPN	BN
Cobaltized Super Compound	P	BN			



Recommended Materials Chart

All recommendations are based on fluid temperature of 70°F. Since the resistance of metals, plastics, and elastomers can be affected by concentration, temperature, presence of other chemicals and other factors, this information should be considered as a general guide. Ultimately, the customer must determine the suitability of the material to be used.

FLUID	BODY MATERIAL	GASKET MATERIAL	FLUID	BODY MATERIAL	GASKET MATERIAL
Magnesium Chloride	EP	BN	Sodium Carbonate	CESPN	BN
Magnesium Hydroxide	BCESPN	EP	Sodium Chloride	BCESPN	BN
Magnesium Nitrate	AEP	BN	"Sodium Cyanide, 10%"	CESPN	BN
Magnesium Sulfate	AEP	NBN	"Sodium Dichromate, 10%"	AESP	HP
Meat and Bone Meal	APN	BN	"Sodium Hydroxide, 40%"	CEPN	NE
Mercuric Chloride	P	BN	"Sodium Hypochlorite, 20%"	P	☎
Mercury	CESPN	BN	Sodium Metaphosphate	BEPN	BN
Methane	ACEN	BF	Sodium Nitrate	ACESPN	EP
Methanol	ABCESPN	BF	Sodium Peroxide	CESP	EP
Methyl Amyl Acetate	P	EP	Sodium Phosphate-Mon-Basic	BCESP	BN
Methylene Chloride	EN	VT	-Di-Basic	BCESP	BN
Methyl Benzene	ABCESN	VT	-Tri-Basic	BCESP	BN
Methylenthyl Keton	ABCESPN	EP	Sodium Silicate	BCEP	BN
Milk	EN	NE	Sodium Sulfate	BEPN	BN
Mineral Oil	ABCESPN	BN	Sodium Sulfide	ESP	BN
Molasses	BCESPN	NE	Sodium Thiosulfate	SP	BN
Muriate of Potash (K CL)	CPN	BN	Soybean Oil	SPN	BN
Muriatic Acid (H CL)	☎	VT	Stannic Chloride	P	☎
Naptha	ABESN	VT	"Stannous Chloride, 15%-Dry"	CE	HP
Napthalene	ABCES	VT	Steam 400°F	CE	VT
Napthenic Acid	BCES	BN	Stearic Acid	EP	BN
Natural Gas	ACEN	BF	Stoddard Solvent	ABCES	BF
Nickel Chloride	EP	BN	Styrene	AE	VT
Nickel Sulfate	BEP	BN	Sugar Liquors-Cane	ABCESPN	NE
Nitric Acid	EP	VT	-Beet	ACESPN	NE
Nitrobenzene	ACESN	EP	Sulfate Liquors	EP	BN
Nitro Lime	P	BN	Sulphite Liquors	EP	VT
Octane	ABCESN	VT	Sulfuric Acid	☎	☎
Oil-Core	BCESN	BN	Sulfurous Acid	EP	HP
Oil-Fuel	ABCESN	BF	Superphosphate	P	BN
Oil-Hydraulic	ABCESPN	BN	"Tannic Acid, 10%"	EP	HP
Oil-Petroleum	☎	☎	Tar-Wood	ABCESP	BN
-Crude	CESN	BF	Tartaric Acid	EPN	BN
-Refined	ABCESN	BN	Titanium Tetrachloride-Dry	ESPN	VT
Oil-Transmission	BCESPN	VT	Toluene/Toluol	ABCESN	VT
Oil-Vegetable	EPN	NE	Tetrachloroethylene	EN	VT
Oleic Acid	CESPN	BN	Trichloroethylene-Dry	BCESN	VT
Oleum	CS	VT	Triethanolamine	ACEP	EP
Oxalic Acid	APN	BN	Trisodium Phosphate	ESPN	BN
Oxygen	ABCEN	BN	Urea	AEP	BN
Palmitic Acid	EPN	BN	Urine	PN	NE
Paraffin	ABCESPN	BN	Varnish	AEN	VT
Pentachlorophenol-Dru	S	TF	Vinegar	EPN	NE
Perchloroethylene	CEN	VT	Water-Acid Mine	EN	BN
Phosphoric Acid	EP	☎	-Deionized	PN	NE
Photographic Solutions	PN	VT	-Demineralized	PN	NE
Phthalic Anhydride	ABCESPN	NE	-Distilled	AEPN	NE
Picric Acid-Molten	E	☎	-Fresh	ABEPN	BN
-Aqueous Solution	EP	☎	-Salt	BEPN	BN
Plating Solutions	P	EP	White Liquor (Paper Ind.)	E	BN
Potassium Acetate	BCE	EP	Wine	EN	NE
Potassium Chloride	PN	BN	Xylene/Xylol	ABESN	VT
Potassium Cyanide	ESN	BN	Zinc Chloride	P	BN
Potassium Dichromate	ABCESN	BN	"Zinc Nitrate, Sulfate"	AEPN	BN
Potassium Flouride	ABCESPN	☎			
"Potassium Hydroxide, 30%"	EPN	EP			
Potassium Nitrate	ABCEPN	BN			
Potassium Sulfate	ABEPN	BN			
Propionic Acid	EPN	NE			
Propylene Glycol	ABCPN	BN			
Propylene Oxide	ESN	EP			
Rosi	AEPN	BN			
Salt Water	BEPN	BN			
Shellac	AEPN	BN			
Silicone Fluid	EN	EP			
Silicone Oil	EPN	NE			
Silver Nitrate	PN	EP			
Soap Solutions	EPN	BN			
Soda Ash	CESPN	BN			
Sodium Bicarbonate	BEPN	BN			
Sodium Bisulfate	EP	BN			
Sodium Borate	ABEPN	BN			

LEGEND

Body Material	Gasket Material
A Aluminum	BN Buna N (Standard)
B Brass	BF Buna N (Fuel)
C Ductile Iron	NE Neoprene
E Stainless Steel	TF Teflon®
S Carbon Steel	VT Viton
P Polypropylene	EP Epdm
N Nylon	SC Silicone
☎ Consult PT	☎ Consult PT

Teflon® is a registered trademark of Dupont