

Kaltraz™ Chemical Compatability Chart at Ambient Temp



Chemical Resistance Guide for Fluoroelastomers

Rough Standard for Employment

A: Suitable B: Applicable C: Not Recommendable D: Not Applicable

CHEMICALS	Kaltraz™	FKM Dipolymer	FKM Terpolymer	Perfluoroelastomer
Acetaldehyde	D	D	D	C
Acetamide	A	D	C	A
Acetic Acid, Glacial	C	D	D	A
Acetic Anhydride	B	D	D	A
Acetone	D	D	D	A
Acetonitrile	A	A	A	A
Acetophenone	D	D	D	A
Acetyl Chloride	A	A	A	A
Acetylacetone	D	D	D	A
Acetylene	A	A	A	A
Acrylic Acid	D	D	D	A
Acrylonitrile	B	C	C	A
Adipic Acid	B	C	C	A
Allyl Chloride	B	C	C	A
Aminobenzoic Acid	A	C	C	A
Aminopyridine	C	D	D	A
Ammonia Gas, Cold	A	D	D	A
Ammonium Hydroxide	A	B	B	A
Amyl Acetate	D	D	D	A
Amyl Chloride	A	A	A	A
Amyl Alcohol	A	B	B	A
Amylchloronaphthalene	B	A	A	A
Amylnaphthalene	B	A	A	A
Aniline	B	D	C	A
Aniline Hydrochloride	A	B	B	A
Aniline Oils	B	C	C	A
Aqua Regia	C	C	C	B
Arsenic Acid	A	A	A	A
Arsenic Trichloride	D	D	D	A
ASTM-Reference Fuel C	D	A	A	A
ASTM-Reference Fuel D	D	A	A	A
ASTM-Reference Oil No.1	A	A	A	A
ASTM-Reference Oil No.3	A	A	A	A
Benzaldehyde	B	D	D	B
Benzene	D	A	A	A
Benzene Sulfonic Acid	A	A	A	A
Benzoic Acid	A	A	A	A
Benzophenone	A	A	A	A
Benzotrichloride	C	A	A	A
Benzoyl Chloride	B	B	B	A
Benzyl Benzoate	C	A	A	A
Benzyl Chloride	B	A	A	A
Benzyl Alcohol	B	A	A	A
Boric Acid	A	A	A	A
Bromine Anhydrous	A	A	A	A
Bromine Water	A	A	A	A
Bromochlorotrifluoroethane	A	A	A	A
Bromoethane	A	A	A	A
Butadiene	B	A	A	A
Butane	B	A	A	A
Butyl Acetate	C	D	D	D

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CHEMICALS	Kaltraz™	FKM Dipolymer	FKM Terpolymer	Perfluoroelastomer
Butyl Acetyl Ricinoleate	A	A	A	A
Butyl Oleate	A	A	A	A
Butyl Stearate	A	A	A	A
Butyl Acrylate	C	D	D	A
Butyl Alcohol	A	A	A	A
Butylaldehyde	D	D	D	C
Butylamine	B	D	D	B
Butyl Carbitol	B	C	C	A
Butycellosolve	C	D	D	A
Butycellosolve Adipate	B	B	B	A
Camphor	A	A	A	A
Caprolactam	B	D	D	A
Carbon Bisulfide	A	A	A	A
Carbon Dioxide	A	B	B	A
Carbon Monoxide	A	A	A	A
Carbon Tetrachloride	D	A	A	B
Carbonic Acid	A	A	A	A
Caster Oil	A	A	A	A
Cellosolve	A	D	D	A
Cellosolve Acetate	C	D	D	A
n-Hexadecane	A	A	A	A
Chlorine Water	A	A	A	A
Chlorine, Dry	C	C	C	B
Chloroacetic Acid	B	D	D	A
Chloroacetone	D	D	D	A
Chloroaniline	B	C	C	A
Chlorobromomethane	C	A	A	A
Chlorobutadiene	C	A	A	A
Chlorodecane	B	A	A	A
Chloroform	D	A	A	A
Chlorohydrin	A	A	A	A
Chloronaphthalene	D	A	A	A
Chrome, Alum	C	A	A	A
Chromic Acid	A	A	A	A
Citric Acid	A	A	A	A
Coal Tar	A	A	A	A
Cresol	A	A	A	A
Cresylic Acid	A	A	A	A
Crude Oil	A	A	A	A
Cumene	C	A	A	A
Cyanogen Chloride	C	B	B	A
Cyclohexane	C	A	A	A
Cyclohexanol	A	A	A	A
Cyclohexanone	C	D	D	B
Decane	A	A	A	A
Dextron	A	A	A	A
Diacetonealcohol	D	D	D	A
Diazon	D	D	D	A
Dibenzyl Sebacte	A	B	B	A
Dibenzylether	C	D	D	A
Dibromoethylbenzene	D	A	A	A
Dibutyl Phthalate	B	C	C	A
Dibutyl Sebacate	B	B	B	A
Dibutylamine	B	D	D	A
Dibutylether	D	C	C	A
Dichloro-isopropylether	C	C	C	A
Dichlorobutane	A	A	A	A
Dicyclohexylamine	C	D	D	A

Chemical Resistance Guide for Fluoroelastomers

CHEMICALS	Kaltraz™	FKM Dipolymer	FKM Terpolymer	Perfluoroelastomer
Diethyl Sebacate	B	B	B	A
Diethyl Sulfate	B	C	C	A
Diethylamine	B	D	D	A
Diethylbenzene	C	A	A	A
Diethyleneglycol	A	B	B	A
Diethylether	D	D	D	A
Dimethyl Formamide (DMF)	C	D	D	A
Dimethyl Sulfoxide (DMSO)	B	C	C	A
Dimethylether	D	D	D	A
Dimethylphthalate	B	B	B	A
Dinitrotoluene	D	D	D	A
Diocetyl Phthalate	B	B	B	A
Diocetyl Sebacate	A	B	B	A
Dioxane	D	D	D	A
Dioxolane (Dioxolans)	D	D	D	A
Dipentene	C	A	A	A
Diphenyl	C	A	A	A
Diphenyl Oxides	B	A	A	A
Ehtyl Chloride	B	A	A	A
Epichlorohydrin (Ethylene Chlorohydrin)	A	A	A	A
Ethanol	A	C	C	A
Ethyl Acetate	C	D	D	A
Ethyl Acrylate	C	D	D	A
Ethyl Benzoate	C	A	A	A
Ethyl Chlorocarbonate	B	A	A	A
Ethyl Dibromide	B	A	A	A
Ethyl Dichloride	A	A	A	A
Ethyl Formate	A	C	C	C
Ethyl Sulfate	A	D	D	A
Ethyl Tertiarybutyl Ether	B	C	C	A
Ethylbenzene	C	A	A	A
Ethylcyclopentane	B	A	A	A
Ethylene Diamine	A	D	D	A
Ethylene Glycol	A	A	A	A
Ethylene Oxide	D	D	D	B
Ethylene Trichloride	D	A	A	A
Formaldehyde	D	D	D	B
Formamide	B	C	C	A
Formic Acid	C	D	D	B
Freon 11	C	D	D	B
Freon 112	D	A	A	B
Freon 113	D	B	C	C
Freon 114	D	B	B	C
Freon 115	D	A	A	C
Freon 12	D	A	A	B
Freon 142B	D	B	B	C
Fumaric Acid	A	A	A	A
Fuming Sulfuric Acid (Oleum)	A	C	C	D
Furan	D	D	D	A
Furfural (Furaldehyde)	D	D	D	B
Furfuryl Alcohol	B	D	D	A
Glucose	A	A	A	A
Hexachloroacetone	D	D	D	A
Hydrazine	A	D	D	B
Hydrobromic Acid	A	A	A	A
Hydrochloric Acid 37%	A	A	A	A
Hydrocyanic Acid (Hydrogen Cyanide)	A	A	A	A
Hydrogen Chloride, Gas	A	A	A	B

Chemical Resistance Guide for Fluoroelastomers

CHEMICALS	Kaltraz™	FKM Dipolymer	FKM Terpolymer	Perfluoroelastomer
Hydrogen Peroxide	A	A	A	A
Hydrogen Sulfide, Dry Cold	A	D	D	A
Hydroquinone [Hydroquinol]	C	C	C	B
Iodine	A	A	A	A
Iodine Pentafluoride	D	D	D	C
Isobutyl Alcohol	A	A	A	A
Isobutylaldehyde	D	D	D	D
Isobutyl Chloride	D	A	A	A
Isobutyl Ether	D	D	D	A
Isobutyric Acid	C	D	D	A
Isododecane	A	A	A	A
Isophorone	B	D	D	A
Isopropanol	A	A	A	A
Isopropyl Acetate	D	D	D	A
Isopropyl Chloride	D	A	A	A
Isopropyl Ether	D	D	D	A
Kerosene	B	A	A	A
Ligroin	C	A	A	A
Linoleic Acid	A	B	B	A
Liquid Petroleum Gas	B	A	A	A
Lithium Hydroxide	A	C	C	B
Lubricating Oils, SAE 10, 20, 30, 40 & 50	A	A	A	A
Maleic Acid	A	A	A	A
Maleic Anhydride	A	A	A	A
Methanol	A	D	D	A
Mercaptobenzothiazole [MBT]	A	A	A	A
Mercuric Chloride	A	A	A	A
Mercury	A	A	A	A
Mesityl Oxide	D	D	D	A
Methacrylic Acid	B	C	C	A
Methane	B	A	A	A
Methyl Acetate	D	D	D	A
Methyl Acetoacetate	D	D	D	A
Methyl Acrylate	D	D	D	A
Methyl Benzoate	B	B	B	A
Methyl Bromide	B	A	A	A
Methyl Butyl Ketone	D	D	D	A
Methyl Carbonate	B	C	C	A
Methylcellosolve	A	D	D	A
Methylcellulose	A	D	D	A
Methyl Chloride	D	B	B	A
Methylchloroform	D	B	B	A
Methyl Chloroformate	A	A	A	A
Methylcyclopentane	B	A	A	A
Dimethyl Ether	D	B	B	A
Methyl Ethyl Ketone	D	D	D	A
Methyl Formate	D	D	D	A
Methyl Isobutyl Ketone	D	D	D	A
Methyl Methacrylate	D	D	D	A
Methyl Oleate	A	A	A	A
Methyl Tertiarybutyl Ether	C	C	C	A
Mineral Oil	A	A	A	A
Molybdenum Disulfide	A	A	A	A
Monobromobenzene	D	A	A	A
Monochlorobenzene	D	A	A	A
Monomethyl Aniline	B	B	B	A
Monomethyl Hydrazine	B	D	D	B
Monovinyl Acetylene	C	A	A	A

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n-Heptane	C	A	A	A
n-Hexane	C	A	A	A
n-Hexene-1	C	A	A	A
Naphtha	C	A	A	A
Naphthalene	C	A	A	A
Natural Gas	A	A	A	A
Niter Cake	A	A	A	A
Nitric Acid	B	C	C	B
Nitrobenzene	A	B	B	A
Nitrogen Tetroxide	C	D	D	C
Nitromethane	C	D	D	A
Nitropropane	B	D	D	A
o-Chloro Ethylbenzene	D	A	A	A
o-Dichlorobenzene	D	A	A	A
Octadecane	A	A	A	A
Octyl Alcohol	A	A	A	A
Oleic Acid	A	B	B	A
Oxalic Acid	A	A	A	A
Ozone	A	A	A	A
p-Dichlorobenzene	C	A	A	A
p-Tertiarybutyl Catechol	A	A	A	A
Palmitic Acid (Hexadecanoic Acid)	A	A	A	A
Pentaerythritol	A	A	A	A
Perchloric Acid	A	A	A	A
Phenol	A	A	A	A
Phenyl Ethyl Ether	D	D	D	A
Phenylhydrazine	A	A	A	A
Phenylbenzene	C	A	A	A
Phorone	D	D	D	A
Phosphoric Acid	A	A	A	A
Phosphorous Trichloride Acid	A	A	A	A
Phthalic Anhydride	C	D	A	D
Pinene	A	A	A	A
Polyethylene Glycol	A	C	C	A
Polyvinyl Acetate Emulsion	A	C	C	A
Potassium Hydroxide	A	D	D	C
Propane	A	A	A	A
Propionitrile	A	A	A	A
Propyl Acetate	D	D	D	A
Propylene	A	A	A	A
Propylene Glycol	A	A	A	A
Propylene Oxide	C	D	D	A
Pyridine	B	D	D	A
Resorcinol	A	A	A	A
Ammonium Chloride	A	A	A	A
Salicylic Acid	A	A	A	A
Silicate Esters	A	A	A	A
Silicone Oils	A	A	A	A
Sodium Hydroxide	A	D	C	C
Tin Chloride	A	A	A	A
Steam	A	C	C	A
Stearic Acid	A	A	A	A
Styrene Monomer	D	B	B	A
Sulfur Chloride	A	A	A	A
Sulfolane	A	B	B	A
Sulfur (Molten 250F)	A	A	A	A
Sulfur Dioxide Gas	B	D	D	A
Sulfur Hexafluoride	C	C	C	B

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CHEMICALS	Kaltraz™	FKM Dipolymer	FKM Terpolymer	Perfluoroelastomer
Sulfur Trioxide, Dry	B	A	A	A
Tannic Acid	A	A	A	A
Tartaric Acid (Dioxysuccinic Acid)	A	A	A	A
Terpineol	A	A	A	A
Tertiarybutyl Alcohol	A	A	A	A
Tertiarybutyl Mercaptan	A	A	A	A
Tetrabromoethane	C	A	A	A
Tetrabutyl Titanate	A	A	A	A
Tetrachloroethane	D	A	A	A
Tetrachloroethylene	D	A	A	A
Tetraethyllead	C	A	A	A
Tetrahydrofuran	D	D	D	A
Tetralin	D	A	A	A
Titanium Tetrachloride	B	A	A	B
Toluene	D	A	A	A
Toluene Diisocyanate	D	D	D	A
Tosylarginine Methyl Ester	D	D	D	A
Triacetin	D	D	D	A
Tributoxyethyl Phosphate	A	A	A	A
Tributyl Phosphate	B	D	D	A
Trichloroacetic Acid	C	C	C	A
Tricresyl Phosphate	A	B	B	A
Triethanolamine	A	D	D	B
Trifluoroethane	B	A	A	A
Trinitrotoluene	B	B	B	A
Trioctyl Phosphate	A	B	B	A
Dimethylhydrazine	C	D	D	B
Vinyl Acetate	D	D	D	A
Xylene	D	A	A	A

Note: Standard for employment of this table is based on our experience and existing publishing data. These results are based on ambient temperature, ambient pressure and 100% concentrations.

Results can change according to the specific conditions for use. Before use, testing the applicability under the actual conditions is recommended.

Results of the mixture of chemicals are not always rated average. Before use, testing the applicability under the actual conditions is recommended.