

This *rubber chemical resistance guide* is for reference only. Many conditions like temperature, chemical composition and concentration, atmospheric pressure, ozone and other external factors can affect the response of this chemicals. We recommend testing the material before using on real life conditions to ensure combability.

Primarily volume swell resistance and aging resistance was the criteria used for these evaluations. Many of these results were made by scientific testing and others by personal experience and opinion (when data was not available.) We do not guarantee the accuracy not assume any responsibility for their use.

Several Factors must always be considered when using rubber materials:

- 1) Temperature.** - Extreme variation of temperature will change the effect of all chemicals on polymers.
- 2) Conditions.** - A compound that swells might still function normally as a seal yet fail in a dynamic application
- 3) Polymer Grade.** - Many different grades are available in polymers and that vary affects the chemical resistance.

## Rubber Chemical Resistant Chart

**4) Compound.** - Some polymers are designed to have outstanding properties in certain conditions but be poor in performance in other applications.

***It is always best to test before!***

Each polymer was rated for us in individual chemical conditions and at room temperature. Where multiple chemicals re in use, refer to the rating of the most aggressive chemical when evaluating a polymer performance.

Polymers are rated as:

- Excellent.-** Recommended. Little or minor effect.
- Good.** Minor to moderate effect. Rubber parts probably still useful in most applications.
- Fair.** Moderate to severe effect. Rubber parts useful in some static applications only.
- Poor.** Not recommended.
- N/A -** No data available or insufficient evidence.

	MATERIAL	CHEMICAL GROUP	GENERAL RESISTANT TO:	GENERAL ATTACKED BY:
<b>NR, IR</b>	Natural rubber, Isoprene	Polyisoprene	Most moderate wet or dry chemicals, organic acids, alcohols, ketones, aldehydes	Ozone, strong acids, fats, oils, greases, most hydrocarbons
<b>SBR, BR</b>	Butadiene, Styrene butadiene	Styrene, Butadiene Copolymer, Polybutadiene	Similar to natural rubber	Similar to natural rubber
<b>EPM, EPDM</b>	Ethylene propylene	Isobutylene, Isoprene, Polymer	Water, steam and brake fluids	Mineral oils and solvents, aromatic hydrocarbons
<b>NBR</b>	Nitrile	Ethylene Propylene copolymer and terpolymer	Many hydrocarbons, fats, oils, greases, hydraulic fluids, chemicals	Ozone, ketones, esters, aldehydes, chlorinated and nitro hydrocarbons
<b>CR</b>	Neoprene	Chloroprene polymer	Moderate chemicals and acids, ozone, oils, fats, greases, many oils, and solvents	Strong oxidizing acids, esters, ketones, chlorinated, aromatic and nitro hydrocarbons
<b>SI</b>	Silicone	Organic silicone polymer	Moderate or oxidizing chemicals, ozone, concentrated sodium hydroxide	Many solvents, oils, concentrated acids, dilute sodium hydroxide
<b>TPI</b>	Santoprene	Thermoplastic rubber	Temperature, oils, ozone	Concentrated solvents, acids

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Acetaldehyde	GOOD	FAIR	EXCELLENT	POOR	FAIR	GOOD
Acetamide	POOR	POOR	EXCELLENT	EXCELLENT	GOOD	GOOD
Acetic Acid, Glacial	GOOD	GOOD	EXCELLENT	FAIR	POOR	GOOD
Acetic Acid, 30%	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Acetic Anhydride	GOOD	GOOD	GOOD	FAIR	GOOD	FAIR
Acetone	FAIR	FAIR	EXCELLENT	POOR	FAIR	FAIR
Acetophenone	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Acetyl Chloride	POOR	POOR	POOR	POOR	POOR	FAIR
Acetylene	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD
Acrylonitrile	POOR	POOR	POOR	POOR	POOR	POOR
Adipic Acid	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Alkazene (Dibromoethylbenzene)	POOR	POOR	POOR	POOR	POOR	POOR
Alum-NH3-Cr-K (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Aluminum Acetate (aq)	EXCELLENT	GOOD	EXCELLENT	GOOD	GOOD	POOR
Aluminum Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Aluminum Fluoride (aq)	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Aluminum Nitrate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Aluminum Phosphate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Aluminum Sulfate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ammonia Anhydrous	POOR	POOR	EXCELLENT	GOOD	EXCELLENT	FAIR
Ammonia Gas (cold)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ammonia Gas (hot)	POOR	POOR	GOOD	POOR	GOOD	EXCELLENT
Ammonium Carbonate (aq)	EXCELLENT	EXCELLENT	N/A	POOR	EXCELLENT	N/A
Ammonium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Ammonium Hydroxide (conc.)	POOR	POOR	EXCELLENT	POOR	EXCELLENT	EXCELLENT
Ammonium Nitrate (aq)	FAIR	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Ammonium Nitrite (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Ammonium Persulfate (aq)	EXCELLENT	POOR	EXCELLENT	POOR	EXCELLENT	N/A

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Ammonium Phosphate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ammonium Sulfate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Amyl Acetate (Banana Oil)	POOR	POOR	FAIR	POOR	POOR	POOR
Amyl Alcohol	GOOD	GOOD	EXCELLENT	GOOD	GOOD	POOR
Amyl Borate	POOR	POOR	POOR	EXCELLENT	EXCELLENT	N/A
Amyl Chloronaphalene	POOR	POOR	POOR	POOR	POOR	POOR
Amyl Nathalene	POOR	POOR	POOR	POOR	POOR	POOR
Aniline	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Aniline Dyes	GOOD	GOOD	EXCELLENT	POOR	GOOD	FAIR
Aniline Hydrochloride	GOOD	POOR	GOOD	GOOD	POOR	POOR
Animal Fats	POOR	POOR	GOOD	EXCELLENT	GOOD	GOOD
Ansul Ether (Anesthetics)	POOR	POOR	FAIR	FAIR	POOR	POOR
Aqua Regia	POOR	POOR	FAIR	POOR	POOR	POOR
Aroclor, 1248	POOR	POOR	FAIR	FAIR	POOR	GOOD
Aroclor, 1254	POOR	POOR	FAIR	POOR	POOR	FAIR
Aroclor, 1260	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Arsenic Acid	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Arsenic Trichloride (aq)	POOR	POOR	FAIR	EXCELLENT	EXCELLENT	---
Askarel	POOR	POOR	POOR	GOOD	POOR	POOR
Asphalt	POOR	POOR	POOR	GOOD	GOOD	POOR
Banana Oil (Amyl Acetate)	POOR	POOR	FAIR	POOR	POOR	POOR
Barium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Barium Hydroxide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Barium Sulfate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Barium Sulfide (aq)	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Beer	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Beet Sugar Liquors	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Benzaldehyde	POOR	POOR	EXCELLENT	POOR	POOR	GOOD
Benzene	POOR	POOR	POOR	POOR	POOR	POOR
Benzene Sulfonic Acid	POOR	POOR	FAIR	POOR	GOOD	POOR
Benzine (Ligroin)(Nitrobenzine)(Pet Ether)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Benzoic Acid	POOR	POOR	FAIR	FAIR	POOR	FAIR
Benzoyl Chloride	POOR	POOR	POOR	POOR	POOR	N/A

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Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Benzly Alcohol	POOR	POOR	EXCELLENT	POOR	GOOD	GOOD
Benzyl Benzoate	POOR	POOR	GOOD	POOR	POOR	---
Benzyl Chloride	POOR	POOR	POOR	POOR	POOR	POOR
Biphenyl (Diphenyl) (Phenylbenzene)	POOR	POOR	POOR	POOR	POOR	POOR
Blast Furnace Gas	POOR	POOR	POOR	POOR	POOR	EXCELLENT
Bleach Solutions	POOR	POOR	EXCELLENT	POOR	POOR	GOOD
Borax	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
Bordeaux Mixture	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD
Boric Acid	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Brine	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Bromine-Anhydrous	POOR	POOR	POOR	POOR	POOR	POOR
Bromine Trifluoride	POOR	POOR	POOR	POOR	POOR	POOR
Bromine Water	POOR	POOR	GOOD	POOR	POOR	POOR
Bromobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Bunker Oil	POOR	POOR	POOR	EXCELLENT	POOR	GOOD
Butadiene	POOR	POOR	FAIR	POOR	POOR	POOR
Butane	POOR	POOR	POOR	EXCELLENT	EXCELLENT	POOR
Butter (Animal Fat)	POOR	POOR	EXCELLENT	EXCELLENT	GOOD	GOOD
Butyl Acetate	POOR	POOR	FAIR	POOR	POOR	POOR
Butyl Acetyl Ricinoleate	POOR	POOR	EXCELLENT	FAIR	GOOD	---
Butyl Acrylate	POOR	POOR	POOR	POOR	POOR	---
Butyl Alcohol	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	GOOD
Butyl Amine	POOR	POOR	GOOD	FAIR	POOR	POOR
Butyl Benzoate	FAIR	GOOD	GOOD	POOR	POOR	---
Butyl Carbitol	POOR	POOR	EXCELLENT	POOR	FAIR	POOR
Butyl Cellosolve	POOR	POOR	EXCELLENT	FAIR	FAIR	---
Butyl Oleate	POOR	POOR	GOOD	POOR	POOR	---
Butyl Stearate	POOR	POOR	FAIR	GOOD	POOR	---
Butylene	POOR	POOR	POOR	GOOD	FAIR	POOR
Butyraldehyde	POOR	POOR	GOOD	POOR	FAIR	POOR
Calcium Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Calcium Bisulfite (aq)	POOR	POOR	POOR	POOR	EXCELLENT	EXCELLENT
Calcium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Calcium Hydroxide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Calcium Hypochlorite (aq)	FAIR	FAIR	EXCELLENT	GOOD	FAIR	GOOD
Calcium Nitrate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Calcium Sulfide (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Cane Sugar Liauors	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Carbamate	POOR	POOR	GOOD	FAIR	GOOD	---
Carbiol	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Carbolic Acid (Phenol)	POOR	POOR	GOOD	POOR	FAIR	POOR
Carbon Bisulfide	POOR	POOR	POOR	FAIR	POOR	POOR
Carbon Dioxide	GOOD	GOOD	GOOD	EXCELLENT	GOOD	GOOD
Carbonic Acid	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Carbon Monoxide	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Carbon Tetrachloride	POOR	POOR	POOR	FAIR	POOR	POOR
Castor Oil	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
Cellosolve	POOR	POOR	GOOD	POOR	POOR	POOR
Cellosolve Acetate	POOR	POOR	GOOD	POOR	POOR	POOR
Cellube (Fryquel)	POOR	POOR	EXCELLENT	POOR	POOR	EXCELLENT
China Wood Oil (Tung Oil)	POOR	POOR	FAIR	EXCELLENT	GOOD	POOR
Chlorine (Dry)	POOR	POOR	POOR	POOR		POOR
Chlorine (Wet)	POOR	POOR	FAIR	POOR		POOR
Chlorine Dioxide	POOR	POOR	FAIR	POOR	POOR	---
Chlorine Trifluoride	POOR	POOR	POOR	POOR	POOR	POOR
Chloroacetic Acid	POOR	POOR	EXCELLENT	POOR	POOR	---
Chloroacetone	POOR	POOR	EXCELLENT	POOR	FAIR	POOR
Chlorobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Chlorobromomehane	POOR	POOR	GOOD	POOR	POOR	POOR
Clorobutadiene	POOR	POOR	POOR	POOR	POOR	POOR
Chlorododecane	POOR	POOR	POOR	POOR	POOR	POOR
Chloroform	POOR	POOR	POOR	POOR	POOR	POOR
O-Chloronaphthalene	POOR	POOR	POOR	POOR	POOR	POOR
1-Chloro-1Nitro Ethane	POOR	POOR	POOR	POOR	POOR	POOR
Chlorosulfonic Acid	POOR	POOR	POOR	POOR	POOR	POOR
Chlorotoluene	POOR	POOR	POOR	POOR	POOR	POOR

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Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Chlorox (Sodium Hypochlorite NaOC1)	POOR	POOR	GOOD	GOOD	EXCELLENT	GOOD
Chrome Plating Solutions	POOR	POOR	GOOD	POOR	POOR	GOOD
Chromic Acid	POOR	POOR	FAIR	POOR	FAIR	FAIR
Citric Acid	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Coal Tar (Creosote)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Cobalt Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Cocoanut Oil	POOR	POOR	FAIR	EXCELLENT	GOOD	EXCELLENT
Cod Liver Oil	POOR	POOR	EXCELLENT	EXCELLENT	GOOD	GOOD
Coke Oven Gas	POOR	POOR	POOR	POOR	POOR	GOOD
Copper Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Copper Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Copper Cyanide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Copper Sulfate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Corn Oil	POOR	POOR	FAIR	EXCELLENT	FAIR	EXCELLENT
Cottonseed Oil	POOR	POOR	GOOD	EXCELLENT	GOOD	EXCELLENT
Creosote (Coal Tar)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Cresol	POOR	POOR	POOR	POOR	FAIR	POOR
Cresylic Acid	POOR	POOR	POOR	POOR	FAIR	POOR
Cumene	POOR	POOR	POOR	POOR	POOR	POOR
Cyclohexane	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
Cyclohexanol	POOR	POOR	FAIR	FAIR	EXCELLENT	POOR
Cyclohexanone	POOR	POOR	GOOD	POOR	POOR	POOR
P-Cymene	POOR	POOR	POOR	POOR	POOR	POOR
Decalin	POOR	POOR	POOR	POOR	POOR	POOR
Decane	POOR	POOR	POOR	EXCELLENT	POOR	GOOD
Denatured Alcohol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Detergent Solutions	GOOD	GOOD	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Developing Fluids	EXCELLENT	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT
Diacetone	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Diacetone Alcohol	POOR	POOR	EXCELLENT	POOR	GOOD	GOOD
Dibenzyl Ether	POOR	POOR	GOOD	POOR	FAIR	---
Dibenzyl Sebecate	POOR	POOR	GOOD	POOR	POOR	FAIR
Dibromoethylbenzene (Alkazene)	POOR	POOR	POOR	POOR	POOR	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Dichloro-Isopropyl Ether	POOR	POOR	FAIR	POOR	POOR	POOR
Dicyclohexylamine	POOR	POOR	POOR	FAIR	POOR	
Diesel Oil	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
Diethylamine	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Diethyl Benzene	POOR	POOR	POOR	POOR	POOR	POOR
Diethyl Ether	POOR	POOR	POOR	POOR	FAIR	POOR
Diethylene Glycol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Diethyl Sebecate	POOR	POOR	GOOD	GOOD	POOR	GOOD
Diisobutylene	POOR	POOR	POOR	GOOD	POOR	POOR
Diisopropyl Benzene	POOR	POOR	POOR	POOR	POOR	---
Diisopropyl Ketone	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Diisopropylidene Acetone (Phorone)	POOR	POOR	FAIR	POOR	POOR	POOR
Dimethyl Aniline (Xylidine)	FAIR	FAIR	GOOD	FAIR	FAIR	POOR
Dimethyl Ether (Methyl Ether) (Monomethyl Ether)	POOR	POOR	POOR	EXCELLENT	FAIR	EXCELLENT
Dimethyl Formamide	POOR	POOR	GOOD	GOOD	FAIR	GOOD
Dimethyl Phthalate	POOR	POOR	GOOD	POOR	POOR	---
Dinitrotoluene	POOR	POOR	POOR	POOR	POOR	POOR
Diocetyl Phtalate	POOR	POOR	GOOD	FAIR	POOR	FAIR
Diocetyl Sebecate	POOR	POOR	GOOD	POOR	POOR	FAIR
Dioxane	POOR	POOR	GOOD	POOR	POOR	POOR
Dioxolane	POOR	POOR	GOOD	POOR	POOR	POOR
Dipentene	POOR	POOR	POOR	GOOD	POOR	POOR
Diphenyl (Biphenyl) (Phenylbenzene)	POOR	POOR	POOR	POOR	POOR	POOR
Diphenyl Oxides	POOR	POOR	POOR	POOR	POOR	FAIR
Dowtherm Oil	POOR	POOR	POOR	POOR	POOR	FAIR
Dry Cleaning Fluids	POOR	POOR	POOR	FAIR	POOR	POOR
Epichlorohydrin	POOR	POOR	GOOD	POOR	POOR	POOR
Ethane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Ethanolamine	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Ethyl Acetate	POOR	POOR	GOOD	POOR	FAIR	GOOD
Ethyl Acetoacetate	FAIR	FAIR	GOOD	POOR	FAIR	GOOD
Ethyl Acrylate	POOR	POOR	GOOD	POOR	POOR	GOOD

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Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Ethyl Alcohol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ethyl Benzene	POOR	POOR	POOR	POOR	POOR	POOR
Ethyl Benzoate	EXCELLENT	EXCELLENT	EXCELLENT	POOR	POOR	POOR
Ethyl Cellosolve	POOR	POOR	POOR	POOR	POOR	POOR
Ethyl Cellulose	GOOD	GOOD	GOOD	GOOD	GOOD	FAIR
Ethyl Chloride	POOR	POOR	FAIR	EXCELLENT	POOR	POOR
Ethyl Chlorocarbonate	POOR	POOR	GOOD	POOR	POOR	POOR
Ethyl Chloroformate	POOR	POOR	GOOD	POOR	POOR	POOR
Ethyl Ether	POOR	POOR	FAIR	FAIR	FAIR	POOR
Ethyl Formate	POOR	POOR	GOOD	POOR	GOOD	---
Ethyl Mercaptan	POOR	POOR	FAIR	POOR	FAIR	FAIR
Ethyl Oxalate	EXCELLENT	EXCELLENT	EXCELLENT	POOR	FAIR	POOR
Ethyl Pentachlorobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Ethyl Silicate	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	---
Ethylene	FAIR	FAIR	GOOD	EXCELLENT	FAIR	---
Ethylene Chloride	POOR	POOR	FAIR	POOR	POOR	POOR
Ethylene Chlorohydrin	GOOD	GOOD	GOOD	POOR	GOOD	FAIR
Ethylene Diamine	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ethylene Dichloride	POOR	POOR	FAIR	POOR	POOR	POOR
Ethylene Glycol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Ethylene Oxide	POOR	POOR	FAIR	POOR	POOR	POOR
Ethylene Trichloride	POOR	POOR	FAIR	POOR	POOR	POOR
Fatty Acids	POOR	POOR	FAIR	GOOD	GOOD	FAIR
Ferric Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Ferric Nitrate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	FAIR
Ferric Sulfate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Fish Oil	POOR	POOR	POOR	EXCELLENT	POOR	EXCELLENT
Fluorinated Cyclic Ethers	POOR	POOR	EXCELLENT	---	POOR	---
Fluorine (Liquid)	POOR	POOR	POOR	POOR	POOR	POOR
Fluorobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Fluoroboric Acid	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	---
Fluorocarbon Oils	GOOD	GOOD	EXCELLENT	---	GOOD	---
Fluorolube	GOOD	FAIR	EXCELLENT	EXCELLENT	GOOD	EXCELLENT

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Fluorosilicic Acid (Hydrofluosilicic Acid)	GOOD	FAIR	GOOD	EXCELLENT	GOOD	POOR
Formaldehyde (RT)	GOOD	GOOD	EXCELLENT	FAIR	GOOD	GOOD
Formic Acid	GOOD	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	GOOD
Freon 11	POOR	POOR	POOR	GOOD	FAIR	POOR
Freon 12	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	POOR
Freon 13	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
Freon 21	POOR	POOR	POOR	POOR	POOR	POOR
Freon 22	GOOD	EXCELLENT	EXCELLENT	POOR	EXCELLENT	POOR
Freon 31	GOOD	GOOD	EXCELLENT	POOR	GOOD	N/A
Freon 32	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon 112	POOR	FAIR	POOR	GOOD	FAIR	POOR
Freon 113	FAIR	GOOD	FAIR	EXCELLENT	EXCELLENT	POOR
Freon 114	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
Freon 115	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon 142b	GOOD	GOOD	GOOD	EXCELLENT	EXCELLENT	N/A
Freon 152a	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon 218	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon C316	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon C318	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	N/A
Freon 12B1	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
Freon 114B2	POOR	FAIR	POOR	GOOD	FAIR	POOR
Freon 502	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	N/A
Freon TF	POOR	FAIR	POOR	EXCELLENT	EXCELLENT	POOR
Freon T-WD602	POOR	FAIR	GOOD	GOOD	GOOD	POOR
Freon TMC	POOR	POOR	FAIR	GOOD	FAIR	FAIR
Freon T-P35	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Freon TA	FAIR	FAIR	GOOD	EXCELLENT	GOOD	FAIR
Freon TC	POOR	FAIR	GOOD	EXCELLENT	EXCELLENT	POOR
Freon MF	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
Freon BF	POOR	POOR	POOR	GOOD	FAIR	POOR
Fuel Oil	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Fumaric Acid	FAIR	FAIR	GOOD	EXCELLENT	GOOD	GOOD

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Furan, Furfuran	POOR	POOR	FAIR	POOR	POOR	---
Furfural	POOR	POOR	GOOD	POOR	FAIR	POOR
Fyrquel (cellulube)	POOR	POOR	EXCELLENT	POOR	POOR	EXCELLENT
Gallic Acid	EXCELLENT	GOOD	GOOD	GOOD	GOOD	---
Gasoline	POOR	POOR	POOR	GOOD	FAIR	POOR
Gelatin	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Glauber's Salt (aq)	GOOD	POOR	GOOD	POOR	GOOD	---
Glucose	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Glue	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Glycerin	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Glycols	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Green Sulfate Liquor	GOOD	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT
Halowax Oil	POOR	POOR	POOR	POOR	POOR	POOR
N-Hexaldehyde	POOR	POOR	EXCELLENT	POOR	EXCELLENT	GOOD
Hexane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
N-Hexene-1	POOR	POOR	POOR	GOOD	GOOD	POOR
Hexyl Alcohol	GOOD	GOOD	FAIR	EXCELLENT	GOOD	GOOD
Hydrazine	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD	FAIR
Hydraulic Oil (Petroleum)	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
Hydrobromic Acid	EXCELLENT	POOR	EXCELLENT	POOR	POOR	POOR
Hydrobromic Aid 40%	EXCELLENT	POOR	EXCELLENT	POOR	GOOD	POOR
Hydrochloric Acid (Cold) 37%	GOOD	GOOD	EXCELLENT	FAIR	GOOD	FAIR
Hydrochloric Acid (Hot) 37%	POOR	POOR	FAIR	POOR	POOR	POOR
Hydrocyanic Acid	GOOD	GOOD	EXCELLENT	GOOD	GOOD	FAIR
Hydrofluoric Acid (Conc.) Cold	POOR	POOR	FAIR	POOR	POOR	POOR
Hydrofluoric Acid (Conc.) Hot	POOR	POOR	POOR	POOR	POOR	POOR
Hydrofluoric Acid-Anhydrous	POOR	POOR	FAIR	POOR	POOR	POOR
Hydrofluosilicic Acid (Fluosilicic Acid)	GOOD	FAIR	GOOD	EXCELLENT	GOOD	POOR
Hydrogen Gas	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	FAIR
Hydrogen Peroxide (90%)	POOR	POOR	GOOD	POOR	POOR	GOOD
Hydrogen Sulfide (Wet) Cold	POOR	POOR	EXCELLENT	POOR	GOOD	FAIR
Hydrogen Sulfide (Wet) Hot	POOR	POOR	EXCELLENT	POOR	FAIR	FAIR
Hydroquinone	GOOD	POOR	GOOD	FAIR	POOR	---

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Hypochlorous Acid	GOOD	POOR	GOOD	POOR	POOR	---
Iodine Pentafluoride	POOR	POOR	POOR	POOR	POOR	POOR
Iodofom	POOR	POOR	POOR	---	POOR	---
Isobutyl Alcohol	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Isooctane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Isophorone	POOR	POOR	FAIR	POOR	POOR	POOR
Isopropyl Acetate	POOR	POOR	GOOD	POOR	POOR	POOR
Isopropyl Alcohol	EXCELLENT	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT
Isopropyl Chloride	POOR	POOR	POOR	POOR	POOR	POOR
Isopropyl Ether	POOR	POOR	POOR	GOOD	FAIR	POOR
Kerosene	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Lacquers	POOR	POOR	POOR	POOR	POOR	POOR
Lacquer Solvents	POOR	POOR	POOR	POOR	POOR	POOR
Lactic Acid (Cold)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Lactic Acid (Hot)	POOR	POOR	POOR	POOR	POOR	GOOD
Lard	POOR	POOR	GOOD	EXCELLENT	GOOD	GOOD
Lavender Oil	POOR	POOR	POOR	GOOD	POOR	POOR
Lead Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Lead Nitrate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Lead Sulfamate (aq)	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	GOOD
Ligroin (Benzine) (Nitrobenzine) (Pet Ether)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Lime Bleach	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD
Lime Sulfur	POOR	POOR	EXCELLENT	POOR	EXCELLENT	EXCELLENT
Lindol (Hydraulic Fluid)	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Linoleic Acid	POOR	POOR	POOR	GOOD	POOR	GOOD
Linseed Oil	POOR	POOR	FAIR	EXCELLENT	GOOD	EXCELLENT
Liquefied Petroleum Gas	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
Lubricating Oils (Petroleum)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Lye	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD
Magnesium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Magnesium Hydroxide (aq)	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	---
Magnesium Sulfate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Maleic Acid	FAIR	FAIR	GOOD	POOR	FAIR	---
Maleic Anhydride	FAIR	FAIR	GOOD	POOR	FAIR	---
Malic Acid	FAIR	FAIR	GOOD	EXCELLENT	FAIR	GOOD
Mercury Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	---
Mercury	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	---
Mesityl Oxide	POOR	POOR	GOOD	POOR	POOR	POOR
Methane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Methyl Acetate	FAIR	FAIR	EXCELLENT	POOR	GOOD	POOR
Methyl Acrylate	POOR	POOR	GOOD	POOR	GOOD	POOR
Methylacrylic Acid	POOR	POOR	GOOD	POOR	GOOD	POOR
Methyl Alcohol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Methyl Bromide	POOR	POOR	POOR	GOOD	POOR	---
Methyl Butyl Detone (Propyl Acetone)	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Methyl Cellosolve	POOR	POOR	GOOD	FAIR	FAIR	POOR
Methyl Chloride	POOR	POOR	FAIR	POOR	POOR	POOR
Methyl Cyclopentane	POOR	POOR	POOR	POOR	POOR	POOR
Methylene Chloride	POOR	POOR	FAIR	POOR	POOR	POOR
Methyl Ether (Dimethyl Ether) (Monomethyl Ether)	POOR	POOR	POOR	EXCELLENT	FAIR	EXCELLENT
Methyl Ethyl Ketone	POOR	POOR	EXCELLENT	POOR	FAIR	POOR
Methyl Formate	POOR	POOR	GOOD	POOR	GOOD	---
Methyl Isobutyl Ketone	POOR	POOR	GOOD	POOR	POOR	POOR
Methyl Methacrylate	POOR	POOR	FAIR	POOR	POOR	POOR
Methyl Oleate	POOR	POOR	GOOD	POOR	POOR	---
Methyl Salicylate	FAIR	FAIR	GOOD	POOR	POOR	---
Milk	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Mineral Oil	POOR	POOR	FAIR	EXCELLENT	GOOD	GOOD
Monochlorobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Monomethyl Aniline	POOR	POOR	GOOD	POOR	POOR	---
Monoethanol Amine	GOOD	GOOD	EXCELLENT	POOR	POOR	GOOD
Monomethyl Ether (Methyl Ether) (Dimethyl Ether)	POOR	POOR	POOR	EXCELLENT	FAIR	EXCELLENT
Monovinyl Acetylene	GOOD	GOOD	GOOD	EXCELLENT	GOOD	GOOD

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Mustard Gas	EXCELLENT	GOOD	EXCELLENT	---	EXCELLENT	EXCELLENT
Naphtha	POOR	POOR	POOR	GOOD	FAIR	POOR
Naphthalene	POOR	POOR	POOR	POOR	POOR	POOR
Naphthalenic Acid	POOR	POOR	POOR	GOOD	POOR	POOR
Natural Gas	GOOD	GOOD	POOR	EXCELLENT	EXCELLENT	EXCELLENT
Neats Foot Oil	POOR	POOR	GOOD	EXCELLENT	POOR	GOOD
Neville Acid	POOR	POOR	GOOD	POOR	POOR	POOR
Nickel Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Nickel Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Nickel Sulfate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Niter Cake	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Nitric Acid (Conc.)	POOR	POOR	POOR	POOR	POOR	POOR
Nitric Acid (Dilute)	POOR	POOR	GOOD	POOR	GOOD	GOOD
Nitric Acid/Red Fuming	POOR	POOR	POOR	POOR	POOR	POOR
Nitrobenzene	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Nitrobenzene (Petroleum Ether)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Nitroethane	GOOD	GOOD	GOOD	POOR	FAIR	POOR
Nitrogen	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Nitrogen Tetroxide	POOR	POOR	FAIR	POOR	POOR	POOR
Nitromethane	GOOD	GOOD	GOOD	POOR	GOOD	POOR
Octachlorotolene	POOR	POOR	POOR	POOR	POOR	POOR
Octadecane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
N-Octane	POOR	POOR	POOR	GOOD	GOOD	POOR
Octyl Alcohol	GOOD	GOOD	FAIR	GOOD	EXCELLENT	GOOD
Oleic Acid	POOR	POOR	POOR	FAIR	FAIR	POOR
Oleum Spirits	POOR	POOR	POOR	GOOD	FAIR	POOR
Olive Oil	POOR	POOR	GOOD	EXCELLENT	GOOD	FAIR
O-Dichlorobenzene	POOR	POOR	POOR	POOR	POOR	POOR
Oxalic Acid	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD
Oxygen-Cold	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Oxygen-(200-400 Degree Fahrenheit)	POOR	POOR	FAIR	POOR	POOR	GOOD
Ozone	POOR	POOR	EXCELLENT	POOR	FAIR	EXCELLENT
Paint Thinner, Duco	POOR	POOR	POOR	POOR	POOR	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Palmitic Acid	GOOD	GOOD	GOOD	EXCELLENT	GOOD	POOR
Peanut Oil	POOR	POOR	FAIR	EXCELLENT	FAIR	EXCELLENT
Perchloric Acid	POOR	POOR	GOOD	POOR	GOOD	POOR
Perchloroethylene	POOR	POOR	POOR	GOOD	POOR	POOR
Petroleum-Below 250 Degree Fahrenheit	POOR	POOR	POOR	EXCELLENT	GOOD	GOOD
Petroleum-Above 250 Degree Fahrenheit	POOR	POOR	POOR	POOR	GOOD	POOR
Phenol (Carbolic Acid)	POOR	---	GOOD	POOR	FAIR	POOR
Phenylbenzene (Biphenyl) (Diphenyl)	POOR	POOR	POOR	POOR	POOR	POOR
Phenyl Ethyl Ether	POOR	POOR	POOR	POOR	POOR	POOR
Phenyl Hydrazine	EXCELLENT	GOOD	GOOD	POOR	POOR	---
Phorone (Diisopropylidene Acetone)	POOR	POOR	FAIR	POOR	POOR	POOR
Phosphoric Acid-20%	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD
Phosphoric Acid-45%	FAIR	FAIR	EXCELLENT	POOR	GOOD	FAIR
Phosphorus Trichloride	POOR	POOR	EXCELLENT	POOR	POOR	---
Pickling Solution	POOR	POOR	FAIR	POOR	POOR	POOR
Picric Acid	GOOD	GOOD	GOOD	GOOD	EXCELLENT	POOR
Pinene	POOR	POOR	POOR	GOOD	FAIR	POOR
Pine Oil	POOR	POOR	POOR	POOR	POOR	POOR
Piperidine	POOR	POOR	POOR	POOR	POOR	POOR
Plating Solution-Chrome	POOR	POOR	EXCELLENT	---	POOR	POOR
Plating Solution-Others	POOR	POOR	EXCELLENT	EXCELLENT	POOR	POOR
Polyvinyl Acetate Emulsion	GOOD	POOR	EXCELLENT	---	GOOD	---
Potassium Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Potassium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Potassium Cupro Cyanide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Potassium Cyanide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Potassium Dichromate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Potassium Hydroxide (aq)	GOOD	GOOD	EXCELLENT	GOOD	GOOD	FAIR
Potassium Nitrate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Potassium Sulfate (aq)	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Producer Gas	POOR	POOR	POOR	EXCELLENT	GOOD	GOOD
Propane	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
I-Propyl Acetate	POOR	POOR	GOOD	POOR	POOR	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
N-Propyl Acetate	POOR	POOR	GOOD	POOR	POOR	POOR
Propyl Acetone (Methyl Butyl Ketone)	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Propyl Alcohol	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Propyl Nitrate	POOR	POOR	GOOD	POOR	POOR	POOR
Propylene	POOR	POOR	POOR	POOR	POOR	POOR
Propylene Oxide	POOR	POOR	GOOD	POOR	POOR	POOR
Pydraul, 10E, 29 ELT	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Pydraul, 30E, 50E, 53E, 90E	POOR	POOR	EXCELLENT	POOR	POOR	EXCELLENT
Pydryl, 115E	POOR	POOR	EXCELLENT	POOR	POOR	POOR
Pydraul, 230E, 312C, 540C	POOR	POOR	POOR	POOR	POOR	POOR
Pyranol, Transformer Oil	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Pyridine	POOR	POOR	GOOD	POOR	POOR	POOR
Pyoligneous Acid	POOR	POOR	GOOD	POOR	GOOD	---
Pyrrole	FAIR	FAIR	FAIR	POOR	POOR	GOOD
Radiation	FAIR	FAIR	GOOD	FAIR	GOOD	FAIR
Rapeseed Oil	POOR	POOR	EXCELLENT	GOOD	GOOD	POOR
Red Oil (MIL-H-5606)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
RJ01 (MIL-F-2558 B)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
RP-1 (MIL-F-22576 C)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Sal Ammoniac	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Salicylic Acid	EXCELLENT	GOOD	EXCELLENT	GOOD	EXCELLENT	---
Salt Water	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Sewage	GOOD	GOOD	GOOD	EXCELLENT	GOOD	GOOD
Silicate Esters	POOR	POOR	POOR	GOOD	EXCELLENT	POOR
Silicone Greases	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	FAIR
Silicone Oils	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	FAIR
Silver Nitrate	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Skydrol 500	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Skydrol 7000	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Soap Solutions	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Soda Ash	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Sodium Bicarbonate (aq) (Baking Soda)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Sodium Bisulfite (aq)	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Borate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Cyanide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Hydroxide (aq)	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT	GOOD
Sodium Hypochlorite (aq) (Chlorox)	POOR	POOR	GOOD	GOOD	EXCELLENT	GOOD
Sodium Metaphosphate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	---
Sodium Nitrate (aq)	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
Sodium Perborate (aq)	GOOD	GOOD	EXCELLENT	GOOD	GOOD	GOOD
Sodium Peroxide (aq)	GOOD	GOOD	EXCELLENT	GOOD	GOOD	POOR
Sodium Phosphate	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	POOR
Sodium Silicate (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	---
Sodium Sulfate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Sodium Thiosulfate (aq)	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	EXCELLENT
Soybean Oil	POOR	POOR	FAIR	EXCELLENT	GOOD	EXCELLENT
Stannic Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
Stannous Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Steam Under 300 Degree Fahrenheit	POOR	POOR	EXCELLENT	POOR	FAIR	FAIR
Steam Over 300 Degree Fahrenheit	POOR	POOR	FAIR	POOR	POOR	POOR
Stearic Acid	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Stoddard Solvent	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Styrene	POOR	POOR	POOR	POOR	POOR	POOR
Sucrose Solution	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
Sulfite Liquors	GOOD	GOOD	GOOD	GOOD	GOOD	POOR
Sulfur	POOR	POOR	EXCELLENT	POOR	EXCELLENT	FAIR
Sulfur Chloride (aq)	POOR	POOR	POOR	FAIR	FAIR	FAIR
Sulfur Dioxide (Dry)	GOOD	GOOD	EXCELLENT	POOR	POOR	GOOD
Sulfur Dioxide (Wet)	POOR	POOR	EXCELLENT	POOR	GOOD	GOOD
Sulfur Dioxide (Liaified Under Pressure)						
Sulfur Hexafluoride	POOR	POOR	EXCELLENT	GOOD	EXCELLENT	GOOD
Sulfur Trioxide	GOOD	GOOD	GOOD	POOR	POOR	GOOD
Sulfuric Acid (Dilute)	FAIR	FAIR	GOOD	FAIR	GOOD	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Sulfuric Acid (Conc.)	POOR	POOR	FAIR	POOR	POOR	POOR
Sulfuric Acid (20% Oleum)	POOR	POOR	POOR	POOR	POOR	POOR
Sulfurous Acid	GOOD	GOOD	GOOD	GOOD	GOOD	POOR
Tannic Acid	EXCELLENT	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD
Tar, Bituminous	POOR	POOR	FAIR	GOOD	FAIR	GOOD
Tartaric Acid	FAIR	POOR	GOOD	EXCELLENT	GOOD	EXCELLENT
Terpineol	POOR	POOR	FAIR	GOOD	POOR	---
Tertiary Butyl Alcohol	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
Tertiary Butyl Catechol	POOR	GOOD	GOOD	POOR	GOOD	---
Teritary Butyl Mercaptan	POOR	POOR	POOR	POOR	POOR	POOR
Tetrabromoethane	POOR	POOR	POOR	POOR	POOR	POOR
Tetrabromomethane	POOR	POOR	POOR	POOR	POOR	POOR
Tetrabutyl Tianate	GOOD	GOOD	EXCELLENT	GOOD	GOOD	---
Tetrachloroethylene	POOR	POOR	POOR	POOR	POOR	POOR
Tetraethyl Lead	POOR	POOR	POOR	GOOD	GOOD	---
Tetrahydrofuran	POOR	POOR	FAIR	POOR	POOR	POOR
Tetralin	POOR	POOR	POOR	POOR	POOR	POOR
Thionyl Chloride	POOR	POOR	FAIR	POOR	POOR	---
Titanium Tetrachloride	POOR	POOR	POOR	GOOD	POOR	POOR
Toluene	POOR	POOR	POOR	POOR	POOR	POOR
Toluene Diisocyanate	POOR	POOR	GOOD	POOR	POOR	POOR
Transformer Oil	POOR	POOR	POOR	EXCELLENT	GOOD	GOOD
Transmiision Fluid Type A	POOR	POOR	POOR	EXCELLENT	GOOD	GOOD
Triacetin	GOOD	GOOD	EXCELLENT	GOOD	GOOD	---
Traryl Phosphate	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Tributoxy Ethyl Phosphate	GOOD	GOOD	EXCELLENT	POOR	POOR	---
Tributyl Mercaptan	POOR	POOR	POOR	POOR	POOR	POOR
Tributyl Phosphate	GOOD	POOR	GOOD	POOR	POOR	POOR
Trichlooacetic Acid	FAIR	GOOD	GOOD	GOOD	POOR	---
Trichloroethane	POOR	POOR	POOR	POOR	POOR	POOR
Trichloroethylene	POOR	POOR	POOR	POOR	POOR	POOR
Tricresyl Phosphate	POOR	EXCELLENT	POOR	POOR	FAIR	FAIR
Triethanol Amine	GOOD	GOOD	EXCELLENT	GOOD	EXCELLENT	---

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
Triethyl Aluminum	POOR	POOR	FAIR	POOR	POOR	---
Triethyl Borane	POOR	POOR	FAIR	POOR	POOR	---
Trinitrotoluene	POOR	POOR	POOR	POOR	GOOD	---
Trioctyl Phosphate	POOR	POOR	EXCELLENT	POOR	POOR	FAIR
Tung Oil (china Wood Oil)	POOR	POOR	FAIR	EXCELLENT	GOOD	POOR
Turbine Oil	POOR	POOR	POOR	GOOD	POOR	POOR
Turpentine	POOR	POOR	POOR	EXCELLENT	POOR	POOR
Unsymmetrical Dimethyl Hydrazine (UDMH)	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
Varnish	POOR	POOR	POOR	GOOD	POOR	POOR
Vegetable Oils	POOR	POOR	FAIR	EXCELLENT	FAIR	GOOD
Versilube F-50	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	FAIR
Vinegar	GOOD	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT
Vinyl Chloride	POOR	POOR	POOR	POOR	POOR	---
Wagner 21B Brake Fluid	GOOD	EXCELLENT	EXCELLENT	FAIR	GOOD	FAIR
Water	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Whiskey, Wines	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
White Pine Oil	POOR	POOR	POOR	GOOD	POOR	POOR
White Oil	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Wood Oil	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
Xylene	POOR	POOR	POOR	POOR	POOR	POOR
Xyliidine (Di-methyl Aniline)	FAIR	FAIR	GOOD	FAIR	FAIR	POOR
Zeolites	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	---
Zinc Acetate (aq)	EXCELLENT	POOR	EXCELLENT	GOOD	GOOD	POOR
Zinc Chloride (aq)	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
Zinc Sulfate (aq)	GOOD	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT
TT-T656b	POOR	POOR	EXCELLENT	POOR	POOR	POOR
VV-B-680	FAIR	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
VV-G-632	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
VV-G-671c	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
VV-H-910	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
VV-I-530a	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
VV-K-211d	POOR	POOR	POOR	EXCELLENT	FAIR	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
VV-K-220a	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
VV-L-751b	POOR	POOR	POOR	GOOD	GOOD	POOR
VV-L-800	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
VV-L-820b	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
VV-L-825a Type I	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
VV-L-825a Type II	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
VV-L-825a Type III	POOR	POOR	POOR	GOOD	GOOD	POOR
VV-O-526	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
VV-P-216a	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
VV-P-236	POOR	POOR	POOR	GOOD	GOOD	POOR
51-F-23	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
1	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
2	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
3	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-644 B	FAIR	FAIR	FAIR	EXCELLENT	FAIR	FAIR
MIL-L-2104 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-2105 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-G-2108	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-S-3136 B Type I	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
MIL-S-3136 B Type II	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-S-3136 B Type III	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-S-3136 B Type IV	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-S-3136 B Type V	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-S-3136 B Type VI	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-S-3136 B Type VII	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-L-3150 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-3503	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L3545-B	POOR	POOR	POOR	GOOD	GOOD	POOR
MIL-C-4339 C	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-G-4343 B	POOR	POOR	FAIR	GOOD	GOOD	POOR
MIL-L-5020 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	POOR
MIL-J-5161 F	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-C-5545 A	POOR	POOR	POOR	GOOD	GOOD	POOR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
MIL-H-5559 A	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
MIL-F-5566	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
MIL-F-5602	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-H-5606 B (Red Oil)	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
MIL-J-5624 G JP-3, JP-4, JP-5	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-O-6081 C	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-6082 C	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-H-6083 C	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-6085 A	POOR	POOR	POOR	GOOD	FAIR	FAIR
MIL-L-6086 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-6387 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-C-6529 C	POOR	POOR	POOR	GOOD	GOOD	POOR
MIL-F-7024 A	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
MIL-H-7083 A	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
MIL-G-7118 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-G-7187	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-G-7421 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-H-7644	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
MIL-L-7645	POOR	POOR	POOR	GOOD	GOOD	POOR
MIL-G-7711 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-7808 F	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-L-7870 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-C-8188 C	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-A-8243 B	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
MIL-L-8383 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-H-8446 (MLO-8515)	POOR	POOR	POOR	GOOD	GOOD	POOR
MIL-1-8660 B	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
MIL-L-900 F	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
MIL-T-9188 B	POOR	POOR	EXCELLENT	POOR	POOR	POOR
MIL-L-9236 B	FAIR	FAIR	FAIR	EXCELLENT	FAIR	POOR
MIL-L-10295 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-10324 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-G-10924 B	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
MIL-L-11734 B	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-O-11773	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-P-12098	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
MIL-H-13862	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-H-13866 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-H-13910 B	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
MIL-H-13919 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-14107 B	POOR	POOR	POOR	FAIR	EXCELLENT	POOR
MIL-L-15017	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-15018 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-15019 C	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-15719 A	FAIR	GOOD	GOOD	GOOD	GOOD	POOR
MIL-G-15793	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-F-16929 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-F-16958 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-F-17111	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-L-17331 D	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-17353 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-L-17672 B	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-18486 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-G-18709 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-H-19457 B	POOR	POOR	EXCELLENT	POOR	POOR	POOR
MIL-F-19605	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-L-19701	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-L-21260	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-21568 A	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
MIL-H-22072	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
MIL-L-22396	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-23699 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-G-23827 A	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-G-25013 D	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	POOR
MIL-F-25172	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-L-25336 B	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
MIL-F-25524 A	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-G-25537 A	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-F-2558 B (RJ-1)	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-F-25576 C (RP-1)	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-H-25598	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-F-25656 B	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
MIL-L-25681 C	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	POOR
MIL-G-25760 A	FAIR	FAIR	POOR	EXCELLENT	FAIR	POOR
MIL-L-25968	POOR	POOR	POOR	EXCELLENT	FAIR	FAIR
MIL-L-26081 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-G-27343	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
MIL-H-27601 A	POOR	POOR	POOR	GOOD	GOOD	POOR
MIL-G-27617	---	GOOD	EXCELLENT	POOR		POOR
MIL-I-27686 D	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
MIL-L-27694 A	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
MIL-L-46000 A	POOR	POOR	POOR	EXCELLENT	FAIR	
MIL-H-46001 A	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-L-46002	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR
MIL-H-46004	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-P-46046 A	GOOD	EXCELLENT	EXCELLENT	GOOD	GOOD	POOR
MIL-H-81019 B	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
MIL-S-81807	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	POOR
O-A-548 B	GOOD	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	GOOD
O-T-634 B	POOR	POOR	POOR	FAIR	POOR	POOR
P-S-661 B	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
P-D-680	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
TT-N-95 A	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
TT-N-97 B	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
TT-I-735 B	EXCELLENT	EXCELLENT	EXCELLENT	EXCELLENT	GOOD	EXCELLENT
TT-S-735 Type I	POOR	POOR	POOR	EXCELLENT	GOOD	POOR
TT-S-735 Type II	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
TT-S-735 Type III	POOR	POOR	POOR	EXCELLENT	FAIR	POOR
TT-S-735 Type IV	POOR	POOR	POOR	EXCELLENT	EXCELLENT	FAIR

## Rubber Chemical Resistant Chart

Chemical	NR Natural Rubber, Isoprene	SBR Butadiene, Styrene butadiene	EPM, EPDM Ethylene propylene	NBR Nitrile	CR Neoprene	SI Silicone
TT-S-735 Type V	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
TT-S-735 Type VI	POOR	POOR	POOR	EXCELLENT	GOOD	FAIR
TT-S-735 Type VII	POOR	POOR	POOR	EXCELLENT	FAIR	POOR