



Chemical Resistance Tables

Chemical Resistance

Chemical Name	Butyl Rubber	Chloroprene (Neoprene)	Chloro-sulfonated Polyethylene (Hypalon)	Fluorocarbon A (Viton)	Natural Rubber	Nitrile (Buna N)	Polyurethane	Silicone
Acetic Acid, 30%	2	1	1	3	2	2	4	1
Acetic Acid, Hot	4	2	5	5	4	5	4	4
Acetone	1	4	2	4	3	4	4	3
Acetyl Chloride	4	4	4	1	4	4	4	3
Acrylic Acid	5	5	5	4	5	2	5	5
Alkyl Acetone	1	1	5	1	1	3	4	2
Alkyl Alcohol	4	4	5	4	4	1	1	2
Alkyl Benzene	5	4	5	2	5	4	4	4
Alkyl Chloride	4	4	5	2	4	2	3	5
Aluminum Acetate	2	2	1	4	1	4	4	4
Aluminum Ammonium Sulphate	5	2	5	1	2	2	5	5
Aluminum Chloride	1	2	1	1	1	1	2	2
Aluminum Nitrate	1	2	1	1	1	1	3	2
Ammonia, Anhydrous	1	1	2	4	4	2	4	2
Ammonia Gas, Cold	1	1	1	4	1	1	2	1
Ammonia Gas, Hot	4	4	2	4	3	2	4	1
Ammonium Chloride	1	2	1	1	1	2	2	3
Ammonium Hydroxide	1	3	1	3	3	4	4	1
Amyl Acetate	2	4	4	4	5	4	4	4
Animal Fats (Lards)	3	3	3	1	5	1	3	2
Animal Fats (oils)	2	2	5	1	4	1	3	5
Antifreeze Solutions	3	3	2	2	1	1	4	3
Antimony Pentachloride	4	4	4	1	4	2	4	4
Apple Acid	4	2	2	1	1	1	5	2
Argon	2	4	4	1	5	1	1	2
Aromatic Alcohol	5	3	5	1	3	3	5	5
Aromatic Fuels	4	4	4	1	4	2	4	4
Aromatic Hydrocarbons	4	4	5	1	4	4	3	3
Aromatic Spirits	4	5	5	1	4	3	5	5
Aromatic Vinegar	1	2	5	1	1	3	2	1
Arsenic Chloride	4	1	5	4	4	3	5	5
Ascorbic Acid	5	5	5	1	5	5	5	5
Automotive Brake Fluid	2	2	2	4	2	3	4	3
Baking Soda	1	1	5	1	1	1	1	1
Barium Fluoride	3	2	3	3	4	1	1	4
Barium Nitrate	2	1	2	1	4	1	2	2
Benzene	4	4	4	2	4	4	4	4
Benzilic Acid	5	5	5	5	5	5	5	5
Benzol	4	4	4	2	4	4	4	4
Bleach Solutions	2	4	1	5	4	4	4	2
Blood	5	1	5	2	5	3	2	2
Borax	1	5	1	1	5	2	1	2
Boric Acid	1	2	1	1	1	1	1	1

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Butadiene	4	4	3	3	4	4	4	4
Butanol (Butyl Alcohol)	2	2	1	5	1	1	5	2
Butter Animal Fat	3	3	2	5	4	1	3	2
Butyl Acetate	2	4	5	4	4	4	4	4
Butyric Acid	2	4	3	3	4	4	4	4
Calcium Carbonate	1	1	1	1	1	1	4	4
Calcium Nitrate	1	1	1	1	1	1	1	2
Calcium Phosphate	1	2	1	1	1	1	1	1
Calcium Sulfate	1	4	1	2	3	1	2	5
Camphor	5	5	5	2	5	1	5	5
Cane Sugar Liquors	1	2	5	1	1	1	4	1
Carbon Fluorides	5	5	5	5	5	5	5	5
Carbon Monoxide	1	4	1	1	3	1	1	1
Carbonated Beverages	5	1	5	1	5	1	2	3
Carbonic Acid	1	4	1	1	1	2	1	1
Castor Oil	2	1	1	1	1	1	1	1
Catsup	5	2	5	1	1	1	4	5
Caustic Lime	1	2	1	1	1	1	5	1
Cement, Portland	5	5	5	1	5	1	5	5
Chloric Acid	5	5	5	5	5	5	5	5
Chlorine (Wet)	5	4	5	1	5	5	4	4
Chlorine Water	4	4	5	1	4	3	4	4
Chloroethane	5	4	5	1	5	1	3	5
Chloroform	4	4	4	2	4	4	4	4
Cholesterol	5	5	5	5	5	5	5	5
Chromic Acid	3	4	5	1	4	4	4	3
Citric Acid	1	1	1	1	1	1	1	1
Clorine (Dry)	5	4	5	1	5	5	4	4
Clorox	5	5	5	1	5	2	5	2
Coconut Oil	2	4	3	1	4	1	3	1
Copper Sulfate	1	2	1	1	2	1	4	1
Cottonseed Oil	3	3	2	1	4	1	1	1
Creosote (Coal Tar)	4	2	4	1	4	1	3	4
Degreasing Fluid	3	5	4	5	4	4	1	5
Developing Fluids	2	2	1	1	1	1	5	2
Dichloroethane	4	4	5	1	4	2	3	5
Dichloroethylene	3	4	4	1	4	4	3	5
Diesel Oil	4	4	3	1	4	1	3	4
Dimethyl Acetemide	5	5	5	4	5	5	5	5
Dimethyl Formamide (DMF)	2	4	4	4	4	3	4	3
Dry Cleaning Fluids	4	4	4	1	4	3	4	4
DTE Light Oil	4	2	4	1	4	1	2	3
Epoxy Resins	1	1	5	4	5	5	5	5

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Ethanol	1	2	1	5	1	1	5	2
Ethyl Butyl Ketone	2	5	5	5	4	4	5	5
Ethyl Hexyl Alcohol	1	1	1	1	1	1	4	2
Ethylene Alcohol	1	1	1	1	1	1	2	1
Ethylene Chloride	4	4	4	2	4	4	4	4
Ferric Sulfate	1	2	1	1	1	1	2	3
Fertilizer Salts, Aqueous	5	1	5	1	5	1	5	5
Fish Oil	4	2	5	1	4	1	2	1
Fluorine	4	4	5	2	4	4	4	4
Fluorine, Gas	4	4	4	1	4	4	4	4
Fluorine, Liquid	5	5	5	2	5	4	5	5
Freon 11	4	4	1	2	4	2	5	4
Freon 112	4	2	2	2	4	2	2	4
Freon 13	1	1	1	1	5	1	3	4
Gallic Acid	2	2	2	1	1	2	4	5
Gasoline Premium Unleaded	4	3	3	1	4	2	2	4
Gelatin	1	2	1	1	1	1	4	1
Glue	1	1	1	1	2	1	1	1
Glycerol (Glycerin)	1	1	1	1	1	1	4	1
Glycol Ethyl Ether	1	4	5	4	4	2	5	5
Glycols	1	2	1	1	1	1	5	1
Grain Alcohol	1	1	1	2	1	1	4	1
Honey	5	1	5	1	5	1	3	5
Hydrofluoric Acid (Anhydrous)	5	5	5	1	5	4	5	4
Hydrogen	1	1	1	1	2	1	2	3
Hydrogen Peroxide	5	4	2	5	4	4	5	3
Iodine	2	4	2	1	4	2	4	3
Isobutyl Alcohol	1	1	1	1	1	2	4	1
Isopropanol	1	3	1	5	1	1	4	1
Lactic Acid, Cold	1	1	1	1	1	1	4	1
Lard(Animal Fat)	3	2	4	1	4	1	1	2
Lubricating Oils, Diester	4	3	4	2	4	2	4	4
Lubricating Oils, Petroleum	4	2	2	1	4	1	2	4
Magnesium Acetate	1	4	1	4	4	4	4	4
Magnesium Salts	1	1	1	1	1	1	1	1
Maleic Acid	2	4	4	1	4	3	5	4
Mercuric Sulfate	2	2	2	2	2	1	5	2
Mercury	1	1	1	1	1	1	1	1
Methane	4	2	2	1	3	1	3	4
Methanol (Methyl Alcohol)	1	4	1	4	1	1	4	1
Methyl Butyl Ketone	1	4	4	4	4	4	4	4
Methyl Chloride	4	4	4	2	4	4	4	4
Methyl Ethyl Ketone (MEK)	1	4	4	4	4	4	4	4

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Nicotine	5	3	5	2	5	5	2	5
Nitrogen	1	2	1	1	1	1	1	1
Nitrous Acid	5	5	5	5	3	4	5	5
Nitrous Oxide	1	5	1	3	1	1	2	1
Olefins	5	5	5	1	5	5	5	5
Oleic Acid	4	4	2	2	4	1	2	4
Ozone	2	4	1	1	4	4	1	1
Peanut Oil	3	4	2	1	4	1	2	1
Pectin (Liquor)	5	3	5	5	5	1	1	1
Phosphoric Acid 20%	2	3	1	1	2	4	3	3
Pine Oil	4	4	4	1	4	2	1	4
Polyethylene Glycol	1	2	1	1	1	1	5	5
Potassium Acid Sulfate	1	1	5	3	1	3	4	2
Pyruvic Acid	5	5	5	5	5	5	5	5
Radiation	4	3	3	3	3	3	3	2
Salt Water	1	2	1	1	1	1	4	1
Silicone Greases	1	1	1	1	1	1	1	3
Silver Bromide	5	5	5	5	5	5	5	5
Silver Nitrate	1	2	1	1	1	2	1	1
Soap Solutions	2	2	1	1	2	1	3	1
Soda	1	1	5	1	1	1	5	1
Soybean Oil	3	2	1	1	4	1	2	1
Steam <300° F	2	3	4	2	5	4	4	3
Sulfuric Acid, 40%	2	3	3	1	4	3	5	4
Table Salt	1	1	1	1	1	1	1	3
Tannic Acid	1	2	1	1	1	1	1	2
Tetrahydrofuran (THF)	2	4	4	4	4	4	3	4
Titanic Acid	5	5	5	5	5	5	5	5
Toluene	4	4	4	2	4	4	4	4
Toloul	4	4	4	5	4	4	4	4
Trimethyl Amine (TMA)	5	5	5	4	5	5	5	5
Turpentine	4	4	4	2	4	1	4	4
Uric Acid	5	5	5	5	5	5	5	5
Vegetable Oils	3	1	2	1	4	1	1	1
Vinegar	1	2	1	1	2	2	4	3
Vinyl Acetate	1	4	3	4	4	4	4	4
Vinyl Chloride	4	4	5	2	4	4	5	5
Water	1	2	1	1	1	1	1	2
Wax	4	1	1	1	4	1	1	1
Xylene	4	4	4	2	4	4	4	4
Zinc Acetate	1	2	1	4	1	2	4	4

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