

Chemical Resistance of Fiberglass Conduit Resins

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Up to Temperature, °F	Bisphenol A Epoxy Anhyd. Cured	
	120°	210°
Acetaldehyde	N	N
Acetaldehyde, aq. 40%	N	N
Acetic Acid, glacial	N	N
Acetic Acid, 20% (25)	R	C
Acetic Acid, 80%	N	N
Acetic Anhydride	N	N
Acetone, 10%	N	N
Adipic Acid	C	N
Alcohol, allyl	N	N
Alcohol, benzyl	N	N
Alcohol, butyl (n-butanol)	C	N
Alcohol, butyl (2-butanol)	N	N
Alcohol, ethyl	C	N
Alcohol, hexyl	R	C
Alcohol, isopropyl (2-propanol)	C	N
Alcohol, methyl	N	N
Alcohol, propyl (1-propanol)	R	N
Allyl chloride	N	N
Alum	R	C
Ammonia, gas	C	N
Ammonia, liquid	N	N
Ammonia, aq. 20%	-	-
Ammonia salts, except fluoride	R	C
Ammonia fluoride, 25%	R	N
Amyl acetate	N	N
Amyl chloride	R	N
Aniline	N	N
Aniline hydrochloride	R	N
Antimony trichloride	-	-
Aqua regia	-	-
Arsenic Acid, 80%	C	N
Aryl-sulfonic acid	R	R
Barium salts	R	C
Beer	C	N
Beet sugar liquor	R	N
Benzaldehyde, 10%	-	-
Benzaldehyde, 10 – 100%	N	N
Benzene (benzoil)	C	N
Benzene sulfonic acid, 10%	R	R
Benzene sulfonic acid, 50%	C	N

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Benzoic acid	R	R
Black liquor – paper	R	C
Bleach, 12.5% active chlorine	C	N
Bleach, 5.5% active chlorine	C	N
Borax	R	R
Boric acid	R	R
Brine	R	N
Bromic acid, <50%	N	N
Bromine, liquid	N	N
Bromine, gas, 25%	N	N
Bromine, aq.	N	N
Butane	R	R
Butanterol (erythriol)	-	-
Butanediol	-	-
Butyl Acetate	N	N
Butyl phenol	N	N
Butyric acid < 50%	R	R
Calcium salts, aq.	R	R
Calcium hypochlorite	C	N
Calcium hydroxide, 100%	R	R
Cane sugar liquors	R	N
Carbon disulfide	N	N
Carbon dioxide	C	C
Carbon dioxide, aq.	C	C
Carbon monoxide	R	C
Carbon tetrachloride	R	N
Casein	R	R
Castor oil	R	N
Caustic potash (KOH)	C	N
Caustic soda (NaOH)	C	N
Chlorine, gas, dry	R	C
Chlorine, gas, wet	N	N
Chlorine, liquid	N	N
Chlorine, water	C	N
Chloroacetic acid	R	N
Chlorobenzene	N	N
Chloroform	N	N
Chlorosulfonic acid, 10%	N	N
Chromic acid, 10%	N	N
Chromic acid, 30%	N	N

Up to Temperature, °F	Bisphenol A Epoxy Anhyd. Cured	
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Chromic acid, 40%	N	N
Chromic acid, 50%	N	N
Citric acid	R	R
Coconut oil	R	N
Copper salts, aq.	R	R
Corn oil	R	C
Corn syrup	R	R
Cottonseed oil	R	R
Cresylic acid, 50%	N	N
Crude oil	R	R
Cyclohexane	R	N
Cyclohexanol	R	N
Cyclohexanone	-	-
Diesel fuels	R	N
Diethyl amine	N	N
Diethyl phthalate	R	C
Dioxane – 1,4	-	-
Dimethylamine	N	N
Dimethyl formamide	N	N
Detergents, aq.	R	R
Disbutylphthalate	R	N
Dibutyl sebacate	R	N
Dichlorobenzene	N	N
Dichlorethylene	N	N
Ether (diethyl)	N	N
Ethyl halides	N	N
Ethylene halides	N	N
Ethylene glycol	R	R
Ethylene oxide	N	N
Fatty acids	C	R
Ferric salts	R	R
Fluorine, gas, dry	N	N
Fluorine, gas, wet	N	N
Fluoroboric acid, 25%	R	R
Fluoroboric acid, 10%	C	N
Formaldehyde	C	N
Formic acid	C	N
Freon, F11, F12, 113, 114	N	N
Freon, F21, F22	N	N
Fruit Juices and pulps	N	N

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Fuel oil	R	C
Furfural	N	N
Gas, natural, methane	R	N
Gasoline	N	N
Gelatin	R	N
Glycerine (glycerol)	R	R
Glycols	R	C
Glycolic acid	C	N
Green Liquor – paper	R	N
Heptane	R	R
Hexane	R	N
Hydrobromic acid, 25%	C	N
Hydrobromic acid	C	N
Hydrofluoric acid, 10%	R	N
Hydrofluoric acid, 60%	N	N
Hydrofluoric acid, 100%	N	N
Hydrocyanic acid	-	-
Hydrogen peroxide, 50%	N	N
Hydrogen peroxide, 90%	N	N
Hydrogen sulfide, dry	R	R
Hydrazine	N	N
Hypochlorous acid, 10%	N	N
Jet fuels, JP 4 and JP5	R	N
Kerosene	R	N
Lactic acid, 25%	R	R
Lauric acid	R	R
Lauryl chloride	R	R
Lauryl sulfate	R	R
Lead salts	R	R
Linoleic acid	R	N
Linseed oil	R	R
Lithium salts	R	R
Lubricating oils	R	N
Machine oil	R	N
Magnesium salts	R	R
Maleic acid	R	R
Manganese sulfate	R	R
Mercuric salts	R	R
Mercury	R	R
Methane	R	R

Up to Temperature, °F	Bisphenol A Epoxy Anhyd. Cured	
	120°	210°
Methyl acetate	N	N
Methyl bromide (gas)	N	N
Methyl cellosolve	-	-
Methyl chloride	N	N
Methyl chloroform	N	N
Methyl cyclohexanone	N	N
Methyl methacrylate	N	N
Methylene bromide	N	N
Methylene chloride	N	N
Methylene iodide	N	N
Milk	R	R
Mineral oil	R	R
Molasses	R	N
Monochlorozenzene	N	N
Monoethanolamine	N	N
Motor oil	R	R
Naphtha	R	N
Naphthalene	R	R
Nickel salts	R	R
Nitric acid, 0 to 20%	N	N
Nitric acid, 21 to 100%	N	N
Nitric acid, fuming	N	N
Nitrobenzene	N	N
Nitrous acid	R	N
Oleic acid	R	R
Oleum	N	N
Olive oil	R	R
Oxalic acid	R	R
Ozone, gas, 5%	C	N
Palmitic acid, 10%	R	R
Palmitic acid, 70%	R	R
Paraffin	R	R
Pentane	R	N
Perchloric acid, 10%	R	C
Perchloric acid, 70%	R	C
Perchloroethylene	R	C
Petroleum, sour	R	R
Petroleum, refined	R	R
Phenol, 88%	N	N
Phenylcarbinol	N	N

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Phenylhydrazine	N	N
Phosphoric acid	C	R
Phosphorous, yellow	N	N
Phosphorous, red	N	N
Phosphorous trichloride	N	N
Phthalic acid	R	R
Potassium salts, aq.	R	R
Potassium permanganate, 25%	C	C
Propane	R	R
Propylene dichloride	N	N
Propylene glycol	R	R
Propylene oxide	N	N
Pyridine	N	N
Rayon coagulating bath	R	N
Sea water	R	R
Salicylic acid	R	N
Sewage, residential	C	N
Silicic acid	R	R
Silicone oil	R	R
Silver salts	R	R
Soaps	R	R
Sodium hydroxide	N	N
Sodium salts, aq. Except	R	C
Sodium chlorite, 10%	R	N
Sodium chlorate	R	R
Sodium dichromate, acid	R	R
Stannic chloride	R	R
Stannous chloride	R	R
Stearic acid	R	R
Sulfite liquor	R	C
Sulfur	R	N
Sugars, aq.	R	R
Sulfur dioxide, dry	R	R
Sulfur dioxide, wet	C	C
Sulfur trioxide, gas, dry	R	R
Sulfur trioxide, gas, wet	N	N
Sulfuric acid, < 26%	R	N
Sulfuric acid, 26 to 80%	C	N
Sulfuric acid, 81 to 100%	N	N
Sulfuric acid, 10%	R	N

Up to Temperature, °F	Bisphenol A Epoxy Anhyd. Cured	
	120°	210°
Tall oil	R	R
Tannic acid	R	R
Tartaric acid	R	R
Tetrachloroethane	C	N
Tetrahydrofuran	N	N
Thionyl chloride	N	N
Thread cutting oil	R	N
Terpineol	R	R
Toluene	C	N
Tributyl phosphate	R	N
Tricresyl phosphate	R	N
Trichloroacetic acid	C	C
Trichloroethylene	N	N
Triethanolamine	R	N
Triethylamine	C	N
Turpentine	R	N
Urea, 50%	R	N
Urine	R	N
Vaseline	R	R
Vegetable oils	R	R
Vinegar	R	R
Vinyl acetate	N	N
Water, distilled	C	N
Water, fresh	R	N
Water, mine	R	N
Water, salt	R	N
Water, tap	R	N
Whiskey	R	N
Wines	R	C
Xylene	C	N
Zinc salts	R	R

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