CHEMICAL RESISTANCE OF FIBERGLASS POLYESTER

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Acetic Acid 0-25% (vinegar)	R	max 125
Acetic Acid 25-50%	R	NR
Alcohol - Butyl	NR	NR
Alcohol - Isopropyl	max 150	
Alcohol - Isopropyl 100%	NR	NR
Alcohol - Secondary Butyl	NR	NR
Alum (Aluminum Sulfate)	R	R
Aluminum Chloride	R	max 120
Aluminum Potassium Sulfate	R	R
Ammonium Bicarbonate	R	NR
Ammonium Hydroxide 5%	R	NR
Ammonium Hydroxide 10%	NR	NR
Ammonium Hydroxide 20%	NR	NR
Ammonium Nitrate	R	R
Ammonium Persulfate	NR	NR
Ammonium Phosphate	NR	NR
Ammonium Sulfate	R	R
Barium Acetate	NR	NR
Barium Carbonate	R	NR
Barium Chloride	R	max 200
Barium Sulfate	R	R
Barium Sulfide	NR	NR
Beer	R	NR
Benzoic Acid	R	NR
Benzyl Alcohol	NR	NR
Butylene Glycol	R	R
Butyric Acid 0-50%	R	NR
Cadmium Chloride	R	NR
Calcium Bisulfate	R	R
Calcium Carbonate	R	NR
Calcium Chlorate	R	R
Calcium Chloride	R	R
Calcium Hydroxide	R	NR
Calcium Hypochlorite	R	NR
Calcium Nitrate	R	R
Calcium Sulfate	R	R
Calcium Sulfite	R	R
Caprylic Acid	R	NR

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Carbon Dioxide	R	R
Carbon Monoxide	R	R
Carbonic Acid	R	R
Chlorine Dioxide/Air	R	NR
Chlorine - Dry Gas	R	NR
Chlorine, Wet Gas	NR	NR
Chlorine Water	NR	NR
Chloroacetic Acid 0-50%	NR	NR
Chromium Sulfate	R	R
Citric Acid	R	R
Coconut Oil	R	NR
Copper Chloride	R	R
Copper Cyanide	NR	NR
Copper Fluoride	NR	NR
Copper Nitrate	R	R
Copper Sulfate	R	R
Corn Oil	R	NR
Corn Starch-Slurry	R	NR
Corn Sugar	R	NR
Cottonseed Oil	R	NR
Crude Oil, Sour	R	NR
Crude Oil, Sweet	R	NR
Cyclohexane	R	NR
Di-Ammonium Phosphate	NR	NR
Dibutyl Ether	NR	NR
Diesel Fuel	R	NR
Diethylene Glycol	R	NR
Dimenthyl Phthalate	NR	NR
Dioctyl Phthalate	NR	NR
Dipropylene Glycol	R	NR
Ethylene Glycol	R	R
Fatty Acids	R	R
Ferric Chloride	R	R
Ferric Nitrate	R	R
Ferric Sulfate	R	R
Ferrous Chloride	R	R
Ferrous Nitrate	R	R
Ferrous Sulfate	R	R

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Fluoboric Acid 10%	NR	NR
Fluosilicic Acid 0-20%	NR	NR
Formaldehyde	R	NR
Formic Acid 10%	R	NR
Fuel Oil	R	NR
Gas, Natural	R	NR
Gasoline, Auto	R	NR
Gasoline Aviation	R	NR
Gasoline, Ethyl	R	NR
Gasoline, Sour	R	NR
Glyconic, Acid	R	NR
Glucose	R	R
Glycerin	R	R
Glycol - Propylene	R	R
Glycolic Acid 70%	R	NR
Heptanes	R	NR
Hexane	R	NR
Hexalene Glycol	R	R
Hydraulic Fluid	R	NR
Hydrobromic Acid 0-25%	R	NR
Hydrocyanic Acid	R	NR
Hydrofluosilicic Acid 10%	NR	NR
Hydrogen Chloride, Wet	NR	NR
Hydrogen Fluoride, Vapor	R	max 95
Hydrogen Peroxide 35%	R	max 120
Hydrogen Sulfide Dry	R	max 250
Hypochlorous Acid 0-10%	R	max 104
Isopropyl Palmitate	R	max 180
Kerosene	R	max 120
Lactic Acid	R	max 200
Lead Acetate	R	max 160
Magnesium Carbonate	R	max 160
Magnesium Chloride	R	max 220
Magnesium Nitrate	R	max 160
Magnesium Sulfate	R	max 200
Mercuric Chloride	R	max 212
Mercurous Chloride	R	max 212
Mineral Oils	R	max 180

LEGEND
R - RESISTANT
NR - NOT RESISTANT

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CHEMICAL RESISTANCE OF FIBERGLASS POLYESTER

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Naphtha	R	R
Naphthalene	R	NR
Nickel Chloride	R	NR
Nickel Nitrate	R	R
Nickel Sulfate	R	R
Nitric Acid 0-5%	R	R
Octanoic Acid	R	NR
Oil, Sour Crude	R	R
Oil, Sweet Crude	R	R
Oleic Acid	R	R
Olive Oil	R	R
Oxalic Acid	R	R
Phosphoric Acid	R	R
Phosphoric Acid Fumes	R	R
Phosphorous Pentoxide	R	R
Phthalic Acid	R	R
Pickling Acids	R	R
Picric Acid, Alcoholic	R	R
Polyvinyl Acetate Latex	R	NR
Polyvinyl Alcohol	R	NR
Potassium Aluminum Sulfate	R	max 170
Potassium Bicarbonate	R	NR
Potassium Carbonate	R	NR
Potassium Chloride	R	R
Potassium Ferro cyanide	R	R
Potassium Nitrate	R	R
Potassium Permanganate	R	NR
Potassium Persulfate	R	NR
Potassium Sulfate	R	R
Pulp Paper Mill Effluent	R	NR
Pyridine	NR	NR
Silver Nitrate	R	R
Soaps	R	NR
Sodium Acetate	R	NR
Sodium Benzoate	R	NR
Sodium Bifluoride	R	NR
Sodium Bisulfate	R	R
Sodium Bisulfite	R	R

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Sodium Bromide	R	R
Sodium Carbonate 0-25%	R	NR
Sodium Chlorate	R	NR
Sodium Chloride	R	NR
Sodium Chlorite 25%	R	NR
Sodium Cyanide	R	NR
Sodium Dichromate	R	R
Sodium Di-Phosphate	R	R
Sodium Ferricyanide	R	R
Sodium Hydroxide 0-5%	R	R
Sodium Hydrosulfide	R	NR
Sodium Hypochlorite	R	NR
Sodium Lauryl Sulfate	R	R
Sodium Mono-Phosphate	R	R
Sodium Nitrate	R	R
Sodium Silicate	R	NR
Sodium Sulfate	R	R
Sodium Sulfide	R	NR
Sodium Sulfite	R	NR
Sodium Tetraborate	R	R
Sodium Thiosulfate	R	NR
Sodium Tripolyphosphate	R	NR
Sodium Xylene Sulfonate	R	NR
Sodium Solutions	R	NR
Sodium Crude Oil	R	R
Soya Oil	R	R
Stannic Chloride	R	R
Stannous Chloride	R	R
Stearic Acid	R	R
Sugar, Beet and Cane Liquor	R	NR
Sugar, Sucrose	R	R
Sulfamic Acid	R	NR
Sulfated Detergents	R	NR
Sulfuric Acid 0-30%	R	R
Sulfuric Acid 30-50%	NR	NR
Sulfuric Acid 30-50%	NR	NR
Sulfuric Acid 50-70%	R	max 150
Sulfurous Acid 10%	NR	NR

CHEMICAL PRODUCT	FIBERGLASS POLYESTER	
	60˚F (15˚C)	150˚F (66˚C)
Superphosphoric Acid	R	NR
Tall Oil	R	NR
Tannic Acid	R	NR
Tartaric Acid	R	R
Toluene	NR	NR
Trichloro Acetic Acid 50%	R	NR
Tridecylbenzene Sulfonate	R	NR
Trisodium Phosphate	R	NR
Urea	R	NR
Vegetable Oils	R	R
Vinegar	R	R
Water - Deionized	R	R
Water - Demineralized	R	R
Water - Distilled	R	R
Water - Fresh	R	R
Water - Salt	R	R
Water - Sea	R	R
White Liquor - Pulp Mill	R	NR
Xylene	NR	NR
Zinc Chlorate	R	R
Zinc Nitrate	R	R
Zinc Sulfate	R	R

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