

Chemical Resistance

Chemical Compatibility Table

CHEMICAL	SERIES P (POLY/GLASS) 70°–160°F		SERIES V (VINYL/GLASS) 70°–160°F		SERIES PU (POLYURETHANE) 70°–160°F	
	70°F	160°F	70°F	160°F	70°F	160°F
Acetic Acid, Up to 10%	R	R	R	R	R	–
Acetic Acid, Up to 50%	R	R	R	R	R	–
Acetone, Up to 10%	NR	NR	NR	NR	R	–
Aluminum Hydroxide	R	R	R	R	R	–
Ammonium Hydroxide (Aqueous Ammonia), Up to 5%	NR	NR	R	R	R	–
Ammonium Hydroxide, Up to 10%	NR	NR	R	150°	R	–
Ammonium Hydroxide, Up to 20%	NR	NR	R	150°	R	–
Ammonium Nitrate	R	R	R	R	R	–
Ammonium Phosphate	R	R	R	R	R	–
Ammonium Sulfide, Saturated	NR	NR	R	120°	R	–
Aqua Regia, fumes	NR	NR	R	150°	NR	–
Benzene NR	NR	NR	NR	NR	R	R
Benzoic Acid	R	R	R	R	R	–
Bromine, Wet Gas	NR	NR	R	150°	–	–
Butylene Glycol, Up to 100%	R	R	R	NR	R	–
Butyric Acid, Up to 50%	R	R	R	R	R	–
Calcium Hydroxide	R	NR	R	R	R	–
Calcium Hypochlorite	R	NR	R	R	R	–
Chlorine, Dry Gas	NR	NR	R	R	–	–
Chlorine, Wet Gas	NR	NR	R	R	–	–
Chlorine, Liquid	NR	NR	NR	NR	–	–
Chlorine, Water	R	R	R	R	R	–
Chromic Acid, Up to 5%	NR	NR	R	R	–	–
Copper Chloride	R	R	R	R	R	–
Copper Cyanide	R	NR	R	R	R	–
Copper Fluoride	R	NR	R	R	R	–
Copper Nitrate	R	R	R	R	R	–
Copper Sulfate	R	R	R	R	R	–
Dechlorinated Brine Storage	–	–	R	R	R	–
Esters, Fatty Acid	R	R	R	R	R	–
Ferric Chloride	R	R	R	R	R	–
Ferrous Chloride	R	R	R	R	R	–
Fluoboric Acid	R	120°	R	R	–	–
Fluosilicic Acid, Up to 10%	NR	NR	R	R	–	–
Fluosilicic Acid, Up to 32%	NR	NR	R	100°	–	–
Formic Acid, Up to 10%	NR	NR	R	R	R	–
Formic Acid, Up to 50%	NR	NR	R	100°	R	–
Gasoline, Aviation	R	NR	R	R	R	–
Green Liquor, Pulp Mill	–	–	R	R	–	–
Hydrochloric Acid, Up to 15%	R	NR	R	R	R	–

R = Recommended NR = Not recommended – = No information available



CHEMICAL	SERIES P (POLY/GLASS) 70°–160°F		SERIES V (VINYL/GLASS) 70°–160°F		SERIES PU (POLYURETHANE) 70°–160°F	
	70°F	160°F	70°F	160°F	70°F	160°F
Hydrochloric Acid, Up to 37%	R	NR	R	R	R	–
Hydrofluoric Acid, Up to 10%	NR	NR	R	150°	–	–
Hydrofluoric Acid, Up to 20%	NR	NR	R	100°	–	–
Hydrogen Chloride, Wet Gas	R	NR	R	R	NR	–
Hydrogen Sulfide, Wet Gas	R	NR	R	R	R	–
Lactic Acid	R	NR	R	R	R	–
Lead Nitrate	–	–	R	R	R	–
Magnesium Hydroxide	NR	NR	R	R	R	–
Nickel Sulfate, Low pH	NR	NR	R	R	R	–
Nickel Sulfate, High pH	NR	NR	R	R	R	–
Nitric Acid, Up to 5%	NR	NR	R	150°	R	–
Nitric Acid, Up to 35%	NR	NR	R	150°	R	–
Nitric Acid, Vapor	NR	NR	R	R	–	–
Perchloric Acid, Up to 10%	NR	NR	R	150°	–	–
Pickling Liquids, 3–5% H ₂ SO ₄	R	R	R	R	R	–
Phosphoric Acid	NR	NR	R	R	R	–
Phosphoric Acid, Super or Poly (115%, P20%)	NR	NR	R	R	–	–
Phosphoric Acid, Vapor or Condensate	NR	NR	R	R	–	–
Potassium Chloride	R	R	R	R	R	–
Potassium Nitrate	R	R	R	R	R	–
Potassium Persulfate	NR	NR	R	R	R	–
Silver Cyanide, Up to 5%	NR	NR	R	R	R	–
Sodium Hydroxide, Up to 25%	NR	NR	R	150°	R	–
Sodium Hydroxide, Up to 50%	NR	NR	R	180°	–	–
Sodium Hypochlorite, Up to 15%	NR	NR	R	150°	R	–
Sodium Nitrate	R	R	R	R	R	–
Sodium Sulfate	R	NR	R	R	R	–
Sodium Sulfide	NR	NR	R	R	R	–
Sulfuric Acid, Up to 25%	R	R	R	R	R	–
Sulfuric Acid, Up to 50%	NR	NR	R	R	R	–
Sulfuric Acid, Up to 70%	NR	NR	R	R	R	–
Sulfuric Acid, Up to 75%	NR	NR	R	120°	–	–
Sulfuric Acid, Up to 80%	NR	NR	NR	NR	–	–
Sulfuric Acid, Vapor	R	NR	R	R	–	–
Trichlorethylene, Fumes	NR	NR	R	120°	R	–
Trisodium Phosphate	R	NR	R	R	R	–
Urea	R	NR	R	150°	R	–
Vegetable Oils	R	R	R	R	R	–
Vinegar	R	R	R	R	R	R
White Liquor, Pulp Mill	–	–	R	R	–	–

R = Recommended NR = Not recommended – = No information available

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