



## INDUSTRIAL GRADE HEAVY DUTY ORANGE AND GRAY CHEMICAL RESISTANCE CHART

Chemical Name	Conc.	CPVC	PVC	Chemical Name	Conc.	CPVC	PVC
Acetic Acid	20%	180	140	Mineral Oil		180	140
Acetone		NR	NR	Motor Oil		180	140
Alums		180	140	Nitric Acid	10%	180	140
Aluminum Chloride	sat'd	180	140		30%	150	140
Aluminum Hydroxide	sat'd	180	140		40%	120	100
Aluminum Sulfate		NR	140		50%	120	100
Ammonium Hydroxide		NR	140		70%	100	73
Ammonium Phosphate		140	140		Fuming	NR	73
Aqua Regia		73	NR	Petrolatum		180	140
Aromatic Hydrocarbons		NR	NR	Phosphoric Acid	10%	180	140
Barium Chloride		180	140		50%	180	140
Bleach (Sodium Hypochlorite)	15%	180	140		85%	73	140
Brine Acid		180	73	Pot Ash (Potassium Carbonate)		180	140
Calcium Chloride		180	140	Potassium Aluminum Sulfate		180	140
Calcium Hydroxide		180	140	Potassium Amyl Sulfate		Incom	140
Calcium Chlorate		180	140	Potassium Chloride		180	140
Castor Oil		NR	140	Potassium Hydroxide		CT	140
Caustic Potash (Potassium Hydroxide)		CT	140	Propylene Glycol	25%	180	140
Caustic Soda (Sodium Hydroxide)		CT	140	Sodium Chloride		180	140
Citric Acid	sat'd	180	140	Sodium Chlorite	25%	180	NR
Chromic Acid	40%	180	140	Sodium Hydroxide		CT	140
Detergents		CT	140	Sodium Phosphate		180	140
Deisel Fuel		NR	140	Sulfuric Acid	30%		
Ethanol	5%				50%		
Ethylene Glycol	50%	180	140		60%		
Ferric Chloride		180	140		70%		
Ferric Hydroxide		180	140		80%		
Ferric Nitrate		180	140		90%		
Ferric Sulfate		180	140		93%		
Ferrous Chloride		180	140		94%		
Ferrous Hydroxide		180	73		95%		
Ferrous Nitrate		140	73		96%		
Ferrous Sulfate		180	140		98%		
Formaldehyde	37%	NR	140	Thread Oils			
Fructose		180	140	Triethyl Amine		NR	73
Natural Gas		NA	140	Trisodium Phosphate		180	140
Gasoline		NR	NR	Water Chlorinated		180	140
Glycerine		180	140	Water Distilled		180	140
Hydraulic Oils		NA	73	Water Deionized		180	140
Hydrochloric Acid	10%	180	140	Zinc Chloride		180	140
	30%	180	140				
	36%	140	140				
Isopropyl Alcohol		NR	140				
Machine Oil		180	140				

The information provided in this chart is not guaranteed. The piping system should be tested with the circulating materials under typical application conditions to determine suitability.

NR = Not Recommended  
CT = Consult Technical

**\*Includes EP42 Orange and Gray Cements**