

## Chemical Resistance Chart

Reagent	Concentration	HDPE		PP		Polyester	PVC	316SS	Nylon 66	Acetal
		70°	140°	70°	140°					
Acetone	-	C	C	A	A	C	C	A	A	-
Acetaldehyde *	100%	B	C	A	B	C	C	A	-	-
Acetic Acid	10%	A	A	A	A	A	A	A	C	-
Acetic Acid	60%	A	B	A	A	A	A	A	C	-
Acetic Anhydride *	-	C	C	-	-	A	C	A	-	-
Air	-	A	A	A	A	-	A	A	-	-
Aluminum Chloride	All	A	A	A	A	A	A	C	B	-
Aluminum Fluoride	All	A	A	A	A	-	A	C	-	-
Aluminum Sulfate	All	A	A	A	A	-	A	B	-	-
Alums	All Types	A	A	A	A	A	A	A	-	-
Ammonia	100% dry gas	A	A	A	A	-	B	A	-	-
Ammonium Carbonate	-	A	A	A	A	C	A	B	-	-
Ammonium Chloride	Saturated	A	A	A	A	A	A	C	B	-
Ammonium Fluoride	Saturated	A	A	A	A	-	A	C	-	-
Ammonium Hydroxide	10%	A	A	A	A	C	A	A	-	-
Ammonium Hydroxide	28%	A	A	A	A	C	A	A	-	-
Ammonium Nitrate	Saturated	A	A	A	A	A	A	A	-	-
Ammonium Persulphate	Saturated	A	A	A	A	C	A	B	-	-
Ammonium Sulphate	Saturated	A	A	A	A	A	A	B	-	-
Ammonium Metaphosphate	Saturated	A	A	A	A	-	A	B	-	-
Ammonium Sulfide	Saturated	A	A	A	A	-	A	B	-	-
Amyl Acetate *■	100%	C	C	B	C	-	C	A	A	-
Amyl Alcohol *■	100%	A	A	A	B	A	A	A	-	-
Amyl Chloride *■	100%	C	C	C	C	-	C	A	-	-
Aniline *■	100%	C	C	A	A	-	C	B	-	-
Aqua Regia ●	-	C	C	C	C	-	C	C	-	-
Arsenic Acid	All	A	A	A	A	-	A	A	-	-
Aromatic Hydrocarbons 'n	-	C	C	-	-	-	C	C	-	-
Ascorbic Acid	10%	A	A	A	A	-	A	-	-	-
Barium Carbonate	Saturated	A	A	A	A	A	A	B	-	-
Barium Chloride	Saturated	A	A	A	A	A	A	A	-	-
Barium Hydroxide	-	A	A	A	A	C	A	B	-	-
Barium Sulfate	Saturated	A	A	A	A	-	B	B	-	-
Barium Sulfide	Saturated	A	A	A	A	C	A	B	-	-
Beer	-	A	A	A	A	-	A	A	-	-
Benzene *■	-	C	C	B	C	C	C	B	A	-
Benzoic Acid	All	A	A	A	A	A	A	B	-	-
Bismuth Carbonate	Saturated	A	A	A	A	-	A	A	-	-
Bleachlye	10%	A	A	A	A	-	A	A	-	-
Borax	Saturated	A	A	A	A	-	A	A	-	-
Boric Acid	All	A	A	A	A	A	A	A	-	-
Boron Trifluoride	-	A	A	-	-	-	A	-	-	-
Brine	-	A	A	A	A	-	A	C	-	-
Bromine ●	Liquid	C	C	C	C	-	C	C	C	-
Bromine Water ■	Saturated	C	C	C	-	C	C	C	-	-
Butanediol *	10%	A	A	A	A	-	-	-	-	-
Butanediol *	60%	A	A	A	A	-	-	-	-	-
Butanediol *	100%	A	A	A	A	-	-	-	-	-
Butter *	-	A	A	A	A	-	-	A	-	-
n-Butyl Acetane *■	100%	A	C	C	C	-	C	B	A	-
n-Butyl Alcohol	100%	A	A	A	-	C	A	A	B	-
Butyric Acid *	Concentrated	C	C	-	-	A	B	B	-	-
Calcium Bisulphide	-	A	A	A	A	-	A	B	-	-
Calcium Carbonate	Saturated	A	A	A	A	-	A	B	-	-
Calcium Chlorate	Saturated	A	A	A	A	A	A	-	-	-
Calcium Chloride	Saturated	A	A	A	A	A	A	B	B	-

**CODES:** HDPE - High Density Polyethylene PP - Polypropylene (-) Information not yet available.  
**(A)** Resistant, no indication that serviceability would be impaired. **(B)** Variable resistance, depending on conditions of use.  
**(C)** Unresistant, not recommended for service applications under any conditions.  
**(\*)** - Stress-Crack Agent **(■)** - Plasticizer **(●)** - Oxidizer