

Chemical Compatibility of Corning Plasticware

	PS	PP	PVC	CA	PC	CN	NY	MCE	PTFE	PET
Acids										
Hydrochloric acid (25%)	G	G	G	N	R	R	N	O	R	R
Hydrochloric acid (concentrated)	F	G	F	N	R	N	N	N	R	O
Nitric acid (concentrated)	P	P	P	N	R	N	N	N	O	N
Nitric acid (25%)	P	G	F	N	R	L	N	O	R	R
Alcohols										
Butanol	G	G	G	R	R	R	R	R	R	R
Ethanol	G	G	G	R	R	N	R	O	R	R
Methanol	G	G	G	R	R	N	R	O	R	R
Amines										
Aniline	G	G	P	N	N	R	R	N	R	O
Dimethylformamide	P	G	F	N	N	N	R	N	R	N
Bases										
Ammonium hydroxide (25%)	F	G	G	R	N	R	R	O	N	O
Ammonium hydroxide (1N)	F	G	G	N	N	R	R	O	N	N
Sodium hydroxide	G	G	G	N	N	N	R	N	R	N
Hydrocarbons										
Hexane	P	G	F	R	R	R	R	R	R	R
Toluene	P	G	P	R	O	R	R	R	R	N
Xylene	P	F	P	R	R	R	R	R	R	N
Dioxane	P	G	P	N	N	N	R	N	R	R
Dimethylsulfoxide (DMSO)	P	G	P	N	N	N	R	N	R	O*
Halogenated Hydrocarbons										
Chloroform	P	G	P	N	N	R	R	N	R	R
Methylene chloride	P	F	P	N	N	R	R	N	R	N

Ketones

Acetone	P	G	P	N	O	N	R	N	R	R
Methyl ethyl diketone	P	G	P	N	O	N	R	O	R	R

* Can be used with aqueous solutions containing up to 20% DMSO

LEGEND

R = Recommended

L = Limited Resistance

N = Not Recommended

O = Testing Advised

F = Fair

G = Good

P = Poor

PS = Polystyrene

PP = Polypropylene

PVC = Polyvinyl Chloride

CA = Cellulose Acetate

PC = Polycarbonate

PTFE = Polytetrafluorethylene (Teflon)

CN = Cellulose Nitrate

NY = Nylon

MCE = Mixed Cellulose Esters

PET = Polyethylene Terephthalate