

Chemical Resistance Chart

Reagent	Concentration	HDPE		PP		Polyester	PVC	316SS	Nylon 66	Acetal
		70°	140°	70°	140°					
Resorcinol	Saturated	A	A	-	-	-	-	-	C	-
Salicylic Acid	Saturated	A	A	-	-	-	A	A	-	-
Sea Water	-	A	A	A	A	-	A	A	-	-
Selenic Acid	-	A	A	-	-	C	A	-	-	-
Shortening *	-	A	A	A	A	-	A	A	-	-
Silver Nitrate Solution	-	A	A	A	A	A	A	A	-	-
Soap Solution *	Any	A	A	A	A	-	A	A	-	-
Sodium Acetate	Saturated	A	A	A	A	A	B	B	-	-
Sodium Benzoate	35%	A	A	A	A	-	A	A	-	-
Sodium Bicarbonate	Saturated	A	A	A	A	A	A	B	-	-
Sodium Bisulphate	Saturated	A	A	A	A	A	A	B	-	-
Sodium Bisulphite	Saturated	A	A	A	A	-	A	B	B	-
Sodium Borate	-	A	A	A	A	-	A	B	-	-
Sodium Bromide	Dilute	A	A	A	A	-	A	A	-	-
Sodium Carbonate	Concentrated	A	A	A	A	-	A	A	-	-
Sodium Chlorate	Saturated	A	A	A	A	C	A	B	-	-
Sodium Chloride	Saturated	A	A	A	A	A	A	C	-	-
Sodium Cyanide	-	A	A	A	A	A	A	B	-	-
Sodium Dichromate	Saturated	A	A	A	A	-	A	A	-	-
Sodium	-	-	-	-	-	-	-	-	-	-
Ferri / Ferro Cyanide	Saturated	A	A	A	A	A	A	A	-	-
Sodium Fluoride	Saturated	A	A	A	A	-	A	C	-	-
Sodium Hydroxide	Concentrated	A	A	A	A	C	A	B	A	-
Sodium Hypochlorite	-	A	A	A	B	C	B	C	B	C
Sodium Nitrate	-	A	A	A	A	A	A	B	-	-
Sodium Sulphate	-	A	A	A	A	A	A	B	B	-
Sodium Sulphide	Saturated	A	A	A	A	C	A	B	-	-
Sodium Sulphite	Saturated	A	A	A	A	B	A	B	-	-
Stannic Chloride	Saturated	A	A	A	A	A	A	C	-	-
Stannous Chloride	Saturated	A	A	A	A	A	A	A	-	-
Starch Solution *	Saturated	A	A	A	A	-	A	A	-	-
Stearic Acid *	100%	A	A	A	A	A	B	A	-	-
Sulphuric Acid	0-50%	A	A	A	B	A	A	C	C	C
Sulphuric Acid •	70%	A	B	A	B	C	A	C	C	C
Sulphuric Acid •	80%	A	C	C	C	C	A	C	C	C
Sulphuric Acid •	96%	B	C	C	-	C	C	C	C	C
Sulphuric Acid •	98% - Conc.	B	C	C	-	C	C	C	C	C
Sulphuric Acid •	Fuming	C	C	C	C	C	C	C	C	C
Sulphurous Acid	-	A	A	A	A	-	A	B	-	-
Tallow ■	-	A	-	A	A	-	-	A	-	-
Tannic Acid *	Saturated	A	A	A	A	A	A	A	-	-
Tartaric Acid	-	A	A	A	A	A	A	C	-	-
Tetrahydrofuran *■	-	B	C	C	C	-	C	A	A	-
Titanium Tetrachloride *	Saturated	C	-	-	-	-	-	A	-	-
Toluene *	-	B	B	C	C	B	C	A	A	-
Trichloroethylene *■	-	C	C	C	C	-	C	B	B	-
Triethylene Glycol *	-	A	A	-	-	-	-	A	-	-
Trisodium Phosphate	Saturated	A	A	A	A	C	A	A	-	-
Turpentine ■	-	C	C	C	C	-	B	A	A	-
Urea	30%	A	A	A	A	-	B	A	-	-
Urine	-	A	A	A	A	-	A	A	-	-
Vanilla Extract *	-	A	A	A	A	-	-	-	-	-
Vinegar	-	A	A	A	A	-	A	A	-	-
Water	-	A	A	A	A	A	A	A	-	-
Wetting Agent *	-	A	A	A	A	-	-	-	-	-
Whiskey *	-	A	A	A	A	-	A	A	-	-

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