Chemical Resistance Chart

Reagent	Concentration	HDPE		PP		Polyester	PVC	316SS	Nylon 66	Acetal
		70°	140°	70°	140°					
Fatty Acids ★	-	A	A	A	A	-	B	A	-	-
Ferric Chloride	Saturated	A	A	A	A	A	A	C	C	-
Ferric Nitrate	Saturated	A	A	A	A	A	A	A	-	-
Ferrous Chloride	Saturated	A	A	A	A	A	A	C	-	-
Ferrous Sulphate	-	A	A	A	A	A	A	A	-	-
Fish Solubles ★	-	A	A	A	A	-	A	A	-	-
Fluoboric Acid	-	A	A	A	A	B	A	C	-	-
Fluosillic Acid	Concentrated	A	B	A	B	C	A	B	-	-
Fluosillic Acid	32%	A	A	A	A	C	A	B	-	-
Formic Acid	All	A	A	A	A	C	A	C	C	-
Fructose	Saturated	A	A	A	A	-	A	A	-	-
Fruit Pulp ★	-	A	A	A	A	-	A	A	-	-
Furtural ■	100%	B	C	C	C	-	C	B	-	-
Furfuryl Alcohol ★■	-	B	C	C	C	-	-	A	-	-
Gallic Acid ★	Saturated	A	B	A	A	-	A	B	-	-
Gasoline ★■	-	B	C	B	C	B	C	A	A	-
Glucose	-	A	A	A	A	-	A	A	-	-
Glycerine ★	-	A	A	A	A	A	A	A	-	-
Glycol ★	-	A	A	A	A	-	A	A	-	-
Glycolic Acid ★	30%	A	A	A	A	-	A	A	-	-
Grape Sugar	Saturated ag.	A	A	A	A	-	A	A	-	-
n-Heptane ★■	-	B	B	-	-	A	C	A	-	-
Hexachlorobenzene	-	A	-	-	-	-	-	-	-	-
Hexanol, Tertiary ★	-	A	A	-	-	-	-	A	-	-
Hydrobromic Acid	50%	A	A	A	A	A	A	C	-	-
Hydrochloric Acid	37%	A	A	A	A	A	A	C	C	C
Hydrocyanic Acid	Saturated	A	A	-	-	A	A	C	-	-
Hydrofluoric Acid ★	60%	A	A	A	A	C	A	C	-	-
Hydrogen	100%	A	A	A	A	-	A	A	-	-
Hydrogen Chloride	Dry Gas	A	A	A	A	-	-	-	-	-
Hydrogen Peroxide	30%	B	B	A	-	C	A	B	C	-
Hydrogen Peroxide	10%	A	A	A	B	C	A	B	C	-
Hydrogen Sulphide	-	A	A	A	A	-	A	B	-	-
Hydroquinone	-	A	A	A	A	-	A	-	-	-
Hypochlorous Acid	Concentrated	A	A	A	A	C	A	-	-	-
Inks ■	-	A	A	A	A	-	A	C	-	-
Iodine ●	Ink1 Solution	B	-	-	-	-	C	C	-	-
Isopropyl Alcohol	100%	-	-	A	A	-	A	A	B	-
Lead Acetate	Saturated	A	A	A	A	A	A	A	-	-
Lead Nitrate	-	A	A	-	-	-	A	A	-	-
Lactic Acid ★	20%	A	A	A	A	A	A	B	-	-
Linseed Oil	100%	B	C	A	A	A	A	A	-	-
Magnesium Carbonate	Saturated	A	A	A	A	A	A	A	-	-
Magnesium Chloride	Saturated	A	A	A	A	A	A	A	B	-
Magnesium Hydroxide	Saturated	A	A	A	A	-	A	A	-	-
Magnesium Nitrate	Saturated	A	A	A	A	-	A	A	-	-
Magnesium Sulphate	Saturated	A	A	A	A	A	A	A	B	-
Mercuric Chloride	40%	A	A	A	A	A	A	C	C	-
Mercuric Cyanide	Saturated	A	A	A	A	-	B	C	-	-
Mercury	-	A	A	A	A	-	B	A	-	-
Methyl Alcohol ★	100%	A	A	A	A	C	A	A	B	-
Methylethyl Ketone ★■	100%	B	C	A	B	C	C	A	-	-
Methylethyl Chloride ★■	100%	C	C	B	-	-	C	A	-	-
Milk	-	A	A	A	A	-	A	A	-	-
Mineral Oils ■	-	B	C	A	B	-	A	A	A	-
Molasses	-	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