

Product Raw material Chemical Resistance Chart

Chemical	LDPE		HDPE		PP		PS		PET	
	RT	50-60°C	RT	50-60°C	RT	50-60°C	RT	50-60°C	RT	50-60°C
Acetaldehyde, pure	B	D	B	C	A	A	D	D	-	-
Acetic acid 5%	A	A	A	A	A	A	A	B	B	-
Acetic acid 50%	B	C	A	B	A	A	B	B	C	D
Acetone, pure	D	D	D	D	A	A	D	D	D	D
Acetonitrile, pure	A	A	A	A	A	B	D	D	-	-
Ammonium acetate, saturated	A	A	A	A	A	A	A	A	-	-
Ammonium Hydroxide, 5%	A	A	A	A	A	A	A	C	C	D
Ammonium Hydroxide, 30%	A	B	A	A	A	B	B	C	D	D
Butyric Acid, pure	D	D	C	D	B	B	D	D	D	D
Chloroform, pure	C	D	C	D	B	C	D	D	-	-
Chromic acid, 50%	A	A	A	A	B	C	C	D	-	-
Cyclohexane, pure	C	D	C	D	B	C	D	D	-	-
Dimethylsulfoxide, pure	A	A	A	A	A	A	A	B	D	D
Ether, pure	D	D	C	D	D	D	D	D	A	-
Ethyl alcohol, 40%	A	B	A	A	A	A	A	B	B	-
Ethyl alcohol, pure	A	B	A	A	A	A	A	B	B	-
Ethyl glycol, pure	A	A	A	A	A	A	A	A	A	-
Formaldehyde, 10%	A	A	A	A	A	A	B	B	-	-
Formaldehyde, 40%	A	B	A	B	A	A	B	B	-	-
Formic Acid, 3%	A	B	A	A	A	A	A	A	-	-
Formic Acid, 50%	B	B	A	A	A	B	B	C	-	-
Glutaraldehyde, pure	A	B	A	A	A	A	A	C	-	-
Glutaraldehyde Disinfectant	A	B	A	A	A	A	A	C	-	-
Glycerine, pure	A	A	A	A	A	A	A	A	A	-
Glycerol, pure	A	A	A	A	A	A	A	A	A	-
Hexane	D	D	D	D	A	C	D	D	-	-
Hydrochloric acid, 5%	A	A	A	A	A	A	A	A	A	-
Hydrochloric acid, 35%	A	A	A	A	A	B	A	A	C	D
Hydrogen peroxide, 3%	A	A	A	A	A	B	A	B	A	-
Hydrogen peroxide, 30%	A	B	A	A	A	C	A	B	A	-
Isobutyl alcohol, pure	A	A	A	A	A	A	B	B	-	-
Isopropanol, pure	A	A	A	A	A	A	A	B	-	-
Methyl Alcohol, pure	A	B	A	A	A	A	B	C	B	-
Methyl Ethyl ketone, pure	D	D	D	D	A	B	D	D	B	-
Nitric acid 10%	A	A	A	A	A	A	B	D	B	-
Nitric acid 70%	C	D	C	D	C	C	D	D	D	D
Phenol, liquid	D	D	D	D	D	D	D	D	D	D
Phosphoric, acid, 5%	A	A	A	A	A	A	A	A	-	-
Phosphoric, acid, 85%	A	D	A	A	A	B	A	B	-	-
Picric acid, pure	D	D	D	D	D	D	B	C	-	-
Potassium hydroxide 1%	A	A	C	C	A	A	A	B	-	-
Potassium hydroxide, concentrated	A	A	A	A	A	A	B	B	-	-
Sulfuric acid, 6%	A	A	A	A	A	A	A	A	A	-
Sulfuric acid, 98%	B	B	C	D	A	C	C	C	D	D
Trichloroacetic acids	C	D	C	D	B	C	C	D	-	-

A - Resistance, B - Limited resistance, C - Some effect after 7 days of constant exposure, D - Immediate damage

- The above chemical resistance chart is for general guidelines only.
- Since multiple factors may affect the chemical resistance of a given product, you should test under your own conditions.