

## Chemical compatibility Chart of Sampling Bag

1.4-dioxane	at 50°C: shows some effect after 7 days.
Acetaldehyde	at 50°C: immediate damage may occur.
Acetic Acid 5 %	at 20°C-50°C: little or no damage after 30 days.
Acetic Acid, glacial 50%	at 50 °C: immediate damage may occur.
Acetone	at 20°C-50°C: damage may occur. Not recommended for continuous use.
Allyl Alcohol	at 20°C-50°C: little or no damage after 30 days.
Aluminum salts	at 20°C-50°C: little or no damage after 30 days.
Amino acids	at 20°C-50°C: little or no damage after 30 days.
Ammonia	at 20°C-50°C: little or no damage after 30 days.
Ammonium carbonate saturated	at 20°C-50°C: little or no damage after 30 days.
Ammonium phosphate	at 20°C-50°C: little or no damage after 30 days.
Ammonium sulphate	at 20°C-50°C: little or no damage after 30 days.
Amyl chloride	20°C-50°C: immediate damage may occur. Not recommended for continuous use.
Aniline	at 20°C: little or no damage after 30 days.
Benzene	at 20°C-50°C: damage may occur. Not recommended for continuous use.
Benzyl alcohol	at 50°C: immediate damage may occur.
Boric acid	at 20°C-50°C: little or no damage after 30 days.
Bromine	at 50°C: immediate damage may occur.
Butyric acid	at 50°C: immediate damage may occur.
Calcium chloride	at 20°C-50°C: little or no damage after 30 days.

Calcium hydroxide saturated	at 20°C-50°C: little or no damage after 30 days.
Carbon tetrachloride	at 20°C & HDPE at 50°C: show some effect after 7 days. at 50°C: not recommended.
Chlorine 10% in water	at 20°C: shows little or no damage after 30 days. at 50°C: shows damage and is not recommended.
Chlorobenzene	Immediate damage may occur. Not recommended for continuous use.
Chloroform	at 20°C: show some effect after 7 days. at 50°C: immediate damage may occur. Not recommended for continuous use.
Chromic acid 10%	at 20°C-50°C: little or no damage after 30 days.
Chromic acid 50%	at 20°C-50°C: little or no damage after 30 days.
Citric acid 10%	at 20°C-50°C: little or no damage after 30 days.
Cresol	at 20°C-50°C & HDPE at 50°C: show immediate damage. Not recommended for continuous use.
Cyclohexane	at 50°C: immediate damage may occur. at 20°C: show some effect after 7 days.
Diethyl ketone	at 20°C-50°C: damage may occur. Not recommended for continuous use.
Dimethylsulfoxide	at 20°C-50°C: little or no damage after 30 days.
Ethanol 95%	at 20°C-50°C: little or no damage after 30 days.
Ethyl acetate	at 20°C-50°C: little or no damage after 30 days.
Ethyl benzene	at 20°C-50°C & HDPE at 50°C: show immediate damage. Not recommended for continuous use.
Ethylene glycol	at 20°C-50°C: little or no damage after 30 days.
Ethylene oxide	at 20°C: and LDPE/ HDPE at 50°C: show some effect after 7 days.
Ferric chloride	at 20°C-50°C: little or no damage after 30 days.
Fluoride	at 20°C-50°C: little or no damage after 30 days.
Fluorine	at 20°C: shows some effect after 7 days. Not recommended at 50°C.
Formaldehyde 10%	at 20°C-50°C: little or no damage after 30 days.
Formaldehyde 40%	at 20°C-50°C: little or no damage after 30 days.

Glycerol	at 20°C-50°C: little or no damage after 30 days.
Hexane	LDPE not recommended at any temperature.
Hydrochloric acid 20%	at 20°C-50°C: little or no damage after 30 days.
Hydrochloric acid 35%	at 20°C-50°C: little or no damage after 30 days.
Hydrochloric acid 5%	at 20°C-50°C: little or no damage after 30 days.
Hydrocyanic acid	at 20°C-50°C: little or no damage after 30 days.
Hydrofluoric acid	at 20°C-50°C: little or no damage after 30 days.
Hydrofluoric acid 4%	at 20°C-50°C: little or no damage after 30 days.
Hydrofluoric acid 48%	at 20°C-50°C: little or no damage after 30 days.
Hydrogen peroxide 3%	at 20°C-50°C: little or no damage after 30 days.
Hydrogen peroxide 30%	at 20°C-50°C: little or no damage after 30 days.
Isobutyl alcohol	at 20°C-50°C: little or no damage after 30 days.
Isopropyl alcohol	at 20°C-50°C: little or no damage after 30 days.
Kerosene	at 20°C: show some effect after 7 days. not recommended at 50°C, as immediate damage may occur.
Lactic Acid 10 %	at 20°C-50°C: little or no damage after 30 days.
Lactic Acid 90 %	at 20°C-50°C: little or no damage after 30 days.
Lead acetate	at 20°C-50°C: little or no damage after 30 days.
Methanol	at 20°C-50°C: little or no damage after 30 days.
Methyl ethyl ketone	Immediate damage may occur. Not recommended for continuous use.
Methyl propyl ketone	at 20°C: shows some effect after 7 days. at 20°C-50°C & HDPE at 50°C: Immediate damage may occur. Not recommended for continuous use.
Methylene chloride	at 20°C: shows some effect after 7 days. at 20°C-50°C & HDPE at 50°C: Immediate damage may occur. Not recommended for continuous use.
Mineral oil	at 20°C: little or no damage after 30 days. at 50°C: may show immediate damage and is not recommended.
n-amyl acetate	at 20°C: little or no damage after 30 days. at 50°C: shows some effect after 7 days or constant exposure.

n-butyl alcohol	at 20°C-50°C: little or no damage after 30 days.
Nitric acid 50 %	at 20°C: shows little or damage after 30 days.
Nitric acid 70 %	at 20°C: show some effect after 7 days. at 50°C: show immediate damage. Not recommended.
n-octane	at 20°C-50°C: little or no damage after 30 days.
Oleic acid	at 20°C-50°C: shows immediate damage and is not recommended.
Oxalic acid	at 20°C: shows some effect after 7 days.
Ozone	at 20°C: little or no damage after 30 days. at 50°C: show immediate damage. Not recommended.
Perchloric acid	at 20°C: little or no damage after 30 days. at 50°C: show immediate damage. Not recommended.
Perchloric ethylene	at 20°C-50°C: show immediate damage. Not recommended.
Phenol	at 20°C-50°C: show immediate damage. Not recommended.
Phosphoric acid 10%	at 20°C-50°C: little or no damage after 30 days.
Phosphoric acid 85%	at 20°C: little or no damage after 30 days. at 50°C: shows immediate damage and is not recommended.
Phosphorous trichloride	at 20°C: little or no damage after 30 days. at 50°C: has no data available. HDPE at 50°C: shows some effect after 7 days.
Potassium carbonate	at 20°C-50°C: little or no damage after 30 days.
Potassium hydroxide 5 %	at 20°C-50°C: little or no damage after 30 days.
Potassium hydroxide concentrated	at 20°C-50°C: little or no damage after 30 days.
Potassium permanganate	at 20°C-50°C: little or no damage after 30 days.
Propylene glycol	at 20°C-50°C: little or no damage after 30 days.
Pyridine	Immediate damage may occur. Not recommended for continuous use.
Salicylic acid, saturated	at 20°C-50°C: little or no damage after 30 days.
Silver acetate	at 20°C-50°C: little or no damage after 30 days.

Silver nitrate	at 20°C-50°C: little or no damage after 30 days.
Sodium carbonate	at 20°C-50°C: little or no damage after 30 days.
Sodium chloride, saturated	at 20°C-50°C: little or no damage after 30 days.
Sodium dichromate	at 20°C-50°C: little or no damage after 30 days.
Sodium hydroxide 1%	at 20°C-50°C: shows little or no damage after 30 days. at 20°C-50°C: shows some effect after 7 days.
Sodium hydroxide 50%	at 20°C-50°C: little or no damage after 30 days.
Sodium hypochlorite 15%	at 20°C: is suitable but at 50°C: shows some effect after 7 days.
Sodium nitrate	at 20°C-50°C: little or no damage after 30 days.
Sodium sulphate	at 20°C-50°C: little or no damage after 30 days.
Sucrose	at 20°C-50°C: little or no damage after 30 days.
Sulfuric acid 20%	at 20°C-50°C: little or no damage after 30 days.
Sulfuric acid 6%	at 20°C-50°C: little or no damage after 30 days.
Sulfuric acid 60%	at 20°C-50°C: little or no damage after 30 days.
Sulfuric acid 98%	at 20°C-50°C: shows little or no damage after 30 days. Not recommended for use at 50°C.
Tannic acid	at 20°C-50°C: little or no damage after 30 days.
Tetrahydrofuran	at 20°C: show some effect after 7 day of constant exposure. at 50°C: show immediate damage. Not recommended.
Toluene	at 20°C: show some effect after 7 day of constant exposure. Not recommended.
Trichloroacetic acid	at 20°C: show some effect after 7 day of constant exposure. at 50°C: show immediate damage. Not recommended.
Trichlorethane	Immediate damage may occur. Not recommended for continuous use.
Turpentine oil	at 20°C: show some effect after 7 days. at 50°C: show immediate damage. Not recommended.
Urea	at 20°C-50°C: little or no damage after 30 days.
Xylene	at 20-50°C and HDPE at 50°C: show immediate damage. Not recommended.

Zinc chloride	at 20°C-50°C: little or no damage after 30 days.
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