

Chemical Compatibility Guide for: PIG™ Sheet

NOTICE:

This report is offered as a guide and was developed from information which, to the best of New Pig Corporation's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig Corporation's control, none of the data shown in this guide is to be construed as a guarantee, expressed, or implied. New Pig Corporation assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

Due to the Pig™ Sheet's composite construction some chemicals may react differently if the steel mesh core is exposed. Caution is advised when using corrosive liquids with exposed metal. The exposed metal can be covered with trim to provide protection.

This chart lists numerous chemicals and their corrosion resistance to plasticized vinyl sheeting. That data is to be used as a general guideline only and is not a guarantee of compatibility. Many factors affect chemical resistance, such as temperature of the reagent, its concentration, and length of exposure. For these reasons, it is important for the customer to conduct specific testing if there is any doubt as to the suitability of the chemical in question. ASTM Method D543, Procedure 1 was used for the evaluations.

Chemical	Rating
Acetaldehyde	X
Acetic Acid, 60%	C
Acetic Acid, Glacial	X
Acetone	X
Aluminum Chloride	A
Aluminum Hydroxide	A
Ammonia	C
Ammonium Chloride	A
Ammonium Hydroxide	A
Ammonium Sulfate	A
Ammonium Sulfide	A
Ammonium Thio-sulfate	A
Amyl Alcohol	A
Aniline	X
Barium Chloride	A
Barium Sulphide	A
Benzene	X
Benzoic Acid	X
Benzyl Alcohol	X
Borax	A
Boric Acid	A
Bromine	X
Butadiene	B
Butyl Acetate	X
Butyl Alcohol	A
Butyric Acid	X
Calcium Carbonate	A
Calcium Hydroxide	A
Calcium Hypochlorite	A
Calcium Sulfate	A
Carbonic Acid	A
Carbon Tetrachloride	X
Castor Oil	A

Chemical	Rating
Chlorine, 10% Moist.	B
Chloroform	X
Chromic Acid, 50%	X
Citric Acid	A
Copper Chloride	A
Copper Fluoride	A
Copper Nitrate	A
Copper Sulfate	A
Creosote	X
Cyclohexonal	X
Cyclohexanone	X
Detergents	B
Diethyl Ether	X
Diethyl Ketone	X
Diesel Fuel	B
Ethyl Acetate	X
Ethyl Alcohol	B
Ethylene Bromide	X
Ethylene Chloride	X
Ethylene Glycol	A
Ethylene Oxide	X
Ferric Chloride	A
Ferric Nitrate	A
Ferric Sulfate	A
Fluorine	X
Formaldehyde	A
Formic Acid, 10%	B
Furfural	X
Gasoline	B
Glycerine	A
Hexane	C
Hydraulic Fluid	B
Hydrochloric Acid, 20%	A
Hydrochloric Acid, 40%	A
Hydrochloric Acid, Conc.	X
Hydrogen Chloride	A
Hydrogen Fluoride	A
Hydrogen Peroxide, 3%	A
Hydrogen Peroxide, 30%	A
Hydrogen Peroxide, 90%	A
Iodine	X
Isopropyl Alcohol	A
Lactic Acid, 10%	A
Magnesium Chloride	A
Magnesium Hydroxide	A
Magnesium Nitrate	A
Methyl Alcohol	C
Methyl Ethyl Ketone	X
Methyl Isobutyl Ketone	X
Methyl Methacrylate	X
Methylene Chloride	X
Mineral Oil	B
Naptha	C
Nitric Acid, 10%	A
Nitric Acid, 50%	B
Nitric Acid, 70%	C
Nitrobenzene	X

Chemical	Rating
Oleic Acid	A
Oxalic Acid	A
Phenol	X
Phosphoric Acid, 20%	A
Potassium Bicarbonate	A
Potassium Bichromate	A
Potassium Bromide	A
Potassium Carbonate	A
Potassium Chloride	A
Potassium Fluoride	A
Potassium Hydroxide	A
Potassium Hypochlorite	A
Potassium Sulfate	A
Potassium Sulfide	A
Propylene Glycol	A
Silver Nitrate	B
Sodium Acetate	A
Sodium Bicarbonate	A
Sodium Borate	A
Sodium Carbonate	A
Sodium Chloride	A
Sodium Fluoride	A
Sodium Hydroxide, 10%	A
Sodium Nitrate	A
Sodium Nitrite	A
Sodium Phosphate	A
Stearic Acid	A
Sulfuric Acid, 10%	A
Sulfuric Acid, 50%	C
Sulfuric Acid, 90%	X
Tartaric Acid	A
Tetrahydrofuran	X
Toluene	X
Trichloroethane	X
Urea	A
Vinegar	A
Vinyl Acetate	X
Vitamin E, USP	C
Water	A
Xylene	X
Zinc Chloride	A

KEY:

- A = No Apparent Effect
- B = Minor Effect
- C = Moderate Effect
- X = Not Recommended

This information is true and accurate as possible under controlled laboratory conditions. The data, as such, is to be used solely as a guide since actual usage conditions are beyond our control.

For additional assistance, please contact New Pig Technical Services at 1-800-HOT-HOGS® (468-4647).

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