

Acetal (POM) Chemical Compatibility Chart

Chemical		Chemical	
Acetaldehyde	A	Ammonium Acetate	C
Acetamide	A	Ammonium Bifluoride	D
Acetate Solvents	A	Ammonium Carbonate	D
Acetic Acid	D	Ammonium Caseinate	D
Acetic Acid, 20%	C	Ammonium Chloride, 10%	B
Acetic Acid, 80%	D	Ammonium Hydroxide	D
Acetic Acid, Glacial	D	Ammonium Nitrate, 10%	A
Acetic Anhydride	D	Ammonium Oxalate	B
Acetone	A	Ammonium Persulfate	D
Acetyl Chloride, dry	D	Ammonium Phosphate, Dibasic	B
Acetylene	A	Ammonium Phosphate, Monobasic	B
Alcohols: Amyl	A	Ammonium Phosphate, Tribasic	B
Alcohols: Benzyl	A	Ammonium Sulfate	B
Alcohols: Butyl	A	Ammonium Sulfite	D
Alcohols: Diacetone	A	Ammonium Thiosulfate	B
Alcohols: Ethyl	A	Amyl Acetate	B
Alcohols: Hexyl	A	Amyl Alcohol	A
Alcohols: Isobutyl	A	Amyl Chloride	A
Alcohols: Isopropyl	A	Aniline	A
Alcohols: Methyl	A	Aniline Oil	D
Alcohols: Octyl	A	Anise Oil	D
Alcohols: Propyl (1-Propanol)	A	Antifreeze	D
Aluminum chloride, 20%	C	Aqua Regia (80% HCl, 20% HNO ₃)	D
Aluminum Fluoride	C	Aromatic Hydrocarbons	A
Aluminum Hydroxide	A	Arsenic Acid	D
Aluminum Nitrate	B	Asphalt	B
Aluminum Potassium Sulfate, 10%	C	Barium Carbonate	A
Aluminum Potassium Sulfate, 100%	C	Barium Chloride	A
Aluminum Sulfate, 10%	B	Barium Cyanide	B
Alums	C	Barium Hydroxide	D
Amines	D	Barium Nitrate	B
Ammonia, 10% (Ammonium Hydroxide)	C	Barium Sulfate	B
Ammonia, 10%	D	Barium Sulfide	A
Ammonia, anhydrous	D	Bay Oil	D
Ammonia, liquid	D	Beer	A
Ammonia Nitrate	C	Beet Sugar Liquids	B

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)

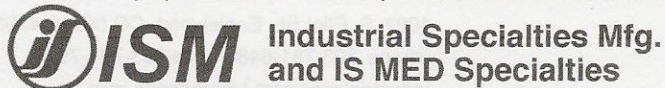
A = Excellent

C = Fair - Moderate Effect, not recommended

B = Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.



End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2020 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

ver 04-Feb-201

Chemical

Benzaldehyde	A
Benzene	A
Benzene Sulfonic Acid	C
Benzoic Acid	B
Benzol	A
Benzyl Chloride	A
Bone Oil	D
Borax (Sodium Borate)	B
Boric Acid, 10%	A
Brewery Slop	B
Bromine Gas	D
Butadiene	A
Butane Gas	A
Butanol (Butyl Alcohol)	A
Butter	A
Buttermilk	A
Butylene	A
Butyl Acetate	A
Butyl Amine	C
Butyl Ether	D
Butyric Acid, 20%	A
Calcium Bisulfide	D
Calcium Bisulfite	D
Calcium Carbonate (Chalk) CaCO ₃	A
Calcium Chlorate	A
Calcium Chloride, 10%	D
Calcium Hydroxide (Lye), 10%	D
Calcium Hypochlorite	D
Calcium Nitrate	D
Calcium Oxide (Unslaked Lime) CaO	A
Calcium Sulfate, 10%	D
Calgon	A
Cane Juice	A
Carbolic Acid (Phenol)	D
Carbon Bisulfide	A

Chemical

Carbon Dioxide, dry	A
Carbon Dioxide, wet	A
Carbon Disulfide	A
Carbon Monoxide Gas	A
Carbon Tetrachloride, wet	A
Carbonated Water (carbonic acid)	A
Carbonic Acid (carbonated water)	B
Castor Oil	A
Catsup	B
Chloric Acid	D
Chlorine, anhydrous liquid	A
Chlorine Gas, dry 10%	D
Chlorine Water (5-10 ppm)	D
Chloroacetic Acid	D
Chlorobenzene (mono)	D
Chlorobromomethane	B
Chloroform	A
Chlorosulfonic Acid	D
Chocolate Syrup	A
Chromic Acid, 5%	D
Chromic Acid, 10%	D
Chromic Acid, 30%	D
Chromic Acid, 50%	D
Cider	A
Cinnamon Oil	D
Citric Acid, aqueous 10%	B
Citric Oils	D
Citrus Oil or Terpene (d-Limonene)	D
Clorox® Bleach	D
Coconut Oil	A
Coffee	A
Copper Chloride	A
Copper cyanide	A
Copper Fluoroborate	B
Copper Nitrate	A

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)

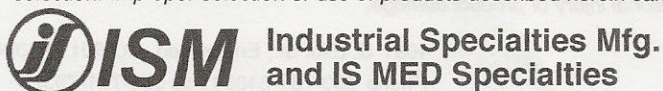
A = Excellent

C = Fair - Moderate Effect, not recommended

B = Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.



End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

ver 04-Feb-201

Chemical	
Copper Sulfate, 5%	D
Copper Sulfate, over 5%	D
Cream	A
Creosote Oil	D
Cresols	D
Cresylic Acid	D
Cyanic Acid	D
Cyclohexane	A
Cyclohexanone	A
Detergents	A
Diacetone Alcohol	A
Dichlorobenzene	B
Dichloroethane	A
Diesel Fuel	A
Diethyl Ether	A
Diethylamine	B
Diethylene Glycol	A
Dimethyl Aniline	D
Dimethylformamide	D
Diphenyl Oxide	D
Dyes	C
Epsom Salts (magnesium sulfate)	B
Ethane	A
Ethanol (ethyl alcohol)	A
Ethanolamine	D
Ether	A
Ethyl Acetate	A
Ethyl Benzoate	A
Ethyl Chloride	A
Ethyl Ether	A
Ethylene Chloride	A
Ethylene Chlorohydrin	D
Ethyl Diamine	D
Ethylene Dichloride	B
Ethylene Glycol	B

Chemical	
Ethylene Oxide Gas (EtO), dry 3%	D
Fatty Acids	A
Ferric Chloride, 10%	D
Ferric Nitrate	D
Ferric Sulfate	D
Ferrous Chloride	D
Ferrous Sulfate	D
Fluobric Acid	A
Fluorine Gas	D
Fluosilicic Acid, 20%	B
Fluosilicic Acid, 100%	A
Formaldehyde, 40%	A
Formaldehyde, 100%	A
Formic Acid (methanoic acid), 10%	A
Freon 11	D
Freon 12	B
Freon 22	A
Freon TF	A
Fruit Juices	D
Fuel Oils	A
Furan Resin	D
Furfural (ant oil) C ₅ H ₄ O ₂	A
Gasoline, high-aromatic	B
Gasoline, leaded	A
Gasoline, unleaded	A
Gelatin	B
Ginger Oil	A
Glucose	A
Glue, PVA (polyvinyl acetate)	A
Glycerin	A
Glycolic Acid	A
Gold Monocyanide	A
Grape Juice	A
Grease	D
Heptane	A

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)


A = Excellent

C = Fair - Moderate Effect, not recommended

B = Good - Minor Effect, slight corrosion or discoloration

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.

 **Industrial Specialties Mfg.
and IS MED Specialties**

End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

ver 04-Feb-201

Chemical	
Hexane	A
Hexyl Alcohol	A
Honey	A
Hydraulic Oil, petroleum based	B
Hydraulic Oil, synthetic	B
Hydrazine (Diamine) H ₂ NNH ₂	B
Hydrobromic Acid, 20%	C
Hydrobromic Acid, 100%	D
Hydrochloric Acid, 20%	C
Hydrochloric Acid, 37%	C
Hydrochloric Acid, 100%	C
Hydrocyanic Acid	A
Hydrocyanic Acid Gas, 10%	C
Hydrofluoric Acid, 20%	D
Hydrofluoric Acid, 50%	D
Hydrofluoric Acid, 75%	D
Hydrofluoric Acid, 100%	D
Hydrofluosilicic Acid, 20%	B
Hydrofluosilicic Acid, 100%	A
Hydrogen Peroxide, 10%	D
Hydrogen Peroxide, 30%	D
Hydrogen Peroxide, 50%	D
Hydrogen Peroxide, 100%	D
Hydrogen Sulfide, aqueous	C
Hydrogen Sulfide, dry	A
Hydroquinone	A
Hydroxyacetic Acid, 70%	A
Ink	B
Iodine	D
Iodine, in alcohol	D
Isopropyl Acetate	D
Isopropyl Ether	D
Jet Fuel (JP3, JP4, JP5)	A
Kerosene	A
Ketones	D

Chemical	
Lacquer Thinners	D
Lacquers	D
Lactic Acid	B
Lard	A
Latex	B
Lead Acetate	B
Lead Sulfamate	A
Lemon Oil	D
Ligroin	B
Lime (CaO)	B
Linoleic Acid	B
Linseed Oil	A
Lithium Chloride	A
Lubricants	A
Lye (Ca(OH) ₂ , calcium hydroxide)	D
Lye (KOH, potassium hydroxide)	A
Lye (NaOH, sodium hydroxide)	C
Magnesium Carbonate	A
Magnesium Chloride, 10%	B
Magnesium Hydroxide, 10%	A
Magnesium Nitrate	A
Magnesium Oxide	A
Magnesium Sulfate (Epsom salts)	B
Maleic Acid	A
Maleic Anhydride	D
Malic Acid (Apple Acid) C ₄ H ₆ O ₅	A
Manganese Sulfate	A
Mash	A
Mayonnaise	A
Melamine	A
Mercuric chloride, dilute	B
Mercury	A
Methane Gas	A
Methanol (methyl alcohol)	A
Methyl Acetate	B

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)

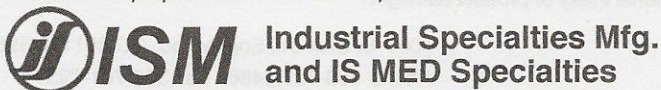
A = Excellent

B = Good - Minor Effect, slight corrosion or discoloration

C = Fair - Moderate Effect, not recommended

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.



End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

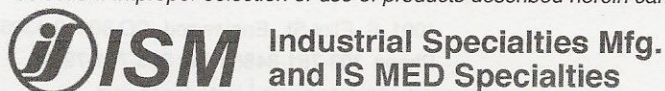
ver 04-Feb-201

Chemical	
Methyl Acetone (mixture)	D
Methyl Acrylate	B
Methyl Alcohol, 10%	A
Methyl Bromide	D
Methyl Butyl Ketone	D
Methyl Cellosolve	D
Methyl Chloride	B
Methyl Dichloride	D
Methyl Ethyl Ketone (MEK, Butanone)	C
Methyl Ethyl Ketone Peroxide (MEKP)	D
Methyl Isobutyl Ketone	D
Methyl Isopropyl Ketone	A
Methyl Methacrylate	D
Methylamine	D
Methylene Chloride	B
Milk	A
Mineral Spirits	A
Molasses	A
Monochloroacetic Acid	D
Monoethanol Amine	D
Motor Oil	B
Mustard	C
Naphtha	A
Naphthalene	A
Natural Gas	B
Nickel Chloride	A
Nickel Sulfate	A
Nitrating Acid (H ₂ SO ₄), over 15%	D
Nitric Acid, 5-10%	D
Nitric Acid, 20%	D
Nitric Acid, 50%	D
Nitric Acid, concentrated	D
Nitrobenzene	C
Nitromethane	A
Octyl Alcohol	A

Chemical	
Oils: Aniline	D
Oils: Anise	D
Oils: Bay	D
Oils: Bone	D
Oils: Castor	A
Oils: Cinnamon	D
Oils: Citric	A
Oils: Coconut	A
Oils: Cod Liver	B
Oils: Corn	A
Oils: Cottonseed	A
Oils: Creosote	D
Oils: Diesel Fuel (20, 30, 40, 50)	D
Oils: Fuel (1, 2, 3, 5A, 5B, 6)	D
Oils: Ginger	A
Oils: Hydraulic Oil, petroleum	B
Oils: Hydraulic Oil, synthetic	B
Oils: Lemon	D
Oils: Linseed	A
Oils: Mineral	A
Oils: Olive	A
Oils: Orange	D
Oils: Palm	A
Oils: Peanut	A
Oils: Peppermint	D
Oils: Pine	A
Oils: Rapeseed	A
Oils: Sesame Seed	D
Oils: Silicone	A
Oils: Soybean	A
Oils: Tanning	D
Oils: Transformer	A
Oils: Turbine	A
Oleic Acid	A
Oleum, 25%	D

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)
A = Excellent
B = Good - Minor Effect, slight corrosion or discoloration
C = Fair - Moderate Effect, not recommended
D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.



End your search, simplify your supply chain
 ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

ver 04-Feb-201

Chemical

Oleum, 100%	D
Olive Oil	A
Orange Oil	D
Oxalic Acid, cold 10%	B
Ozone Gas	C
Palm Oil	A
Palmitic Acid	A
Paraffin	A
Peanut Oil	A
Pentane (amyl hydride) C ₅ H ₁₂	B
Peppermint Oil	D
Peracetic Acid (Peroxyacetic Acid)	D
Perchloric Acid	C
Peroxyacetic Acid (Peracetic Acid)	D
Petroleum	B
Phenol, 10%	B
Phenol (Carbolic Acid)	D
Phosphoric Acid, >40%	D
Phosphoric Acid, crude	D
Phosphoric Acid, S40%	D
Phosphoric Acid Anhydride	D
Phosphorus	B
Photographic Developer	D
Photographic Solutions	D
Phthalic Acid	C
Phthalic Anhydride	C
Picric Acid	A
Pine Oil	A
Potash (potassium carbonate)	
Potassium Bicarbonate	C
Potassium Bromide	A
Potassium Chlorate	B
Potassium Chloride, up to 30%	A
Potassium Chloride	A
Potassium Chromate	C

Chemical

Potassium Cyanide Solutions	C
Potassium Dichromate	A
Potassium Ferrocyanide	B
Potassium Hydroxide (caustic potash)	A
Potassium Nitrate, 10%	A
Potassium Nitrite	A
Potassium Permanganate	A
Potassium Sulfate	B
Propane, liquefied	A
Propylene (propene, methyl ethylene)	A
Propylene Glycol	B
Pyridine (C ₅ H ₅ N)	B
Pyrogallic Acid	D
Rapeseed Oil	A
Rosins	B
Rum	A
Rust Inhibitors	A
Salad Dressings	A
Salicylic Acid	D
Salt Brine (NaCl saturated)	A
Sea Water	A
Sesame Seed Oil	D
Shellac, bleached	A
Shellac, orange	A
Silicone	A
Silver Bromide	C
Silver Nitrate	A
Soap Solutions	A
Soda Ash (sodium carbonate)	A
Sodium Acetate	B
Sodium Aluminate	B
Sodium Bicarbonate (Baking Soda)	A
Sodium Bisulfate, 10%	B
Sodium Bisulfite	C
Sodium Bromide	A

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)


A = Excellent

B = Good - Minor Effect, slight corrosion or discoloration

C = Fair - Moderate Effect, not recommended

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.

 **ISM Industrial Specialties Mfg. and IS MED Specialties**

End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

Acetal (POM) Chemical Compatibility Chart

ver 04-Feb-201

Chemical

Sodium Carbonate	A
Sodium Chlorate	A
Sodium Chloride	A
Sodium Cyanide	A
Sodium Ferrocyanide	A
Sodium Hydroxide, 20%	A
Sodium Hydroxide, 50%	A
Sodium Hydroxide, 80%	D
Sodium Hypochlorite, <20%	D
Sodium Hypochlorite, 100%	D
Sodium Metaphosphate	B
Sodium Metasilicate	D
Sodium Nitrate	A
Sodium Perborate	B
Sodium Peroxide	D
Sodium Polyphosphate	B
Sodium Silicate (water glass)	C
Sodium Sulfate (salt cake, thenardite)	B
Sodium Sulfide	B
Sodium Sulfite	A
Sodium Thiosulfate (hypo)	C
Sorghum	A
Soy Sauce	A
Stannic Chloride	C
Stannic Fluoborate	C
Starch	A
Stearic Acid	A
Stoddard's Solvent	A
Styrene (Vinylbenzene) C ₆ H ₅ CHCH ₂	A
Sugar Liquids	A
Sulfite Liquors	D
Sulfur Chloride	D
Sulfur Dioxide	B
Sulfur Dioxide Gas, dry	B
Sulfur Dioxide Gas, wet	B

Chemical

Sulfur Trioxide, dry	D
Sulfuric Acid, <10%	D
Sulfuric Acid, 10-75%	D
Sulfuric Acid, 75-100%	D
Sulfuric Acid, cold concentrated	D
Sulfurous Acid, 10%	C
Sulfuryl Chloride	A
Tallow	A
Tannic Acid, 10%	B
Tanning Liquors	B
Tanning Oil	D
Tetrachloroethane	A
Tetrachloroethylene	A
Tetrahydrofuran	A
Toluene (Toluol)	C
Tomato Juice	B
Transformer Oil	A
Trichloroethane	A
Trichloroethylene	D
Trichloropropane	A
Tricresyl Phosphate	C
Triethylamine	D
Trisodium Phosphate	A
Turpentine (C ₁₀ H ₁₆)	A
Urea	A
Urine	A
Varnish	A
Vegetable Juice	A
Vinegar	B
Water, acid mine	A
Water, distilled (deionized)	A
Water, distilled	B
Water, fresh	A
Water, salt	A
Weed Killers	A

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)


A = Excellent

B = Good - Minor Effect, slight corrosion or discoloration

C = Fair - Moderate Effect, not recommended

D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.

 **Industrial Specialties Mfg.
and IS MED Specialties**

End your search, simplify your supply chain
ISO 9001:2015 Certified Companies

4091 S. Eliot St., Englewood, CO 80110-4396

Phone 303-781-8486 | Fax 303-761-7939

industrialspec.com | ismedspec.com

© Copyright 2019 Industrial Specialties Mfg.

White Liquor (Pulp Mill) D
 White Water (Paper Mill) B

Zinc Hydrosulfite C
 Zinc Sulfate, 10% C

Key to General Chemical Resistance – All data is based on ambient or room temperature conditions, about 64°F (18°C) to 73°F (23°C)
 A = Excellent
 B = Good - Minor Effect, slight corrosion or discoloration
 C = Fair - Moderate Effect, not recommended
 D = Severe Effect, not recommended for ANY use

It is the sole responsibility of the system designer and user to select products suitable for their specific application requirements and to ensure proper installation, operation, and maintenance of these products. Material compatibility, product ratings and application details should be considered in the selection. Improper selection or use of products described herein can cause personal injury or product damage.