

CHEMICAL RESISTANCE PROPERTIES OF INNOVAPURE® TUBING

This table does not account for any environmental or physical conditions such as temperature or pressure to which our product may be exposed to. Before using Innovapure tubing with a particular chemical, it is strongly advised that you test it under your own conditions. It is the responsibility of the customer to determine that the product is safe and technically suitable for its intended use. The data presented here is based on a compilation of publicly available chemical resistance data. This table is provided for comparison purposes only and we make no claims as to its accuracy. Innovapure disclaims all liability in connection with the use of information contained herein or otherwise.

NOTE: Innovapure makes no representation or warranty with respect to the susceptibility of any fluid to become contaminated or undergo changes in properties or composition as a result of possible extraction of tubing ingredients by the fluid to be transmitted.

w = Water alc = Alcohol
* If concentration is not indicated, assume 100% concentration or the maximum percent solubility in water.
** Chemical resistance ratings based on inner liner material.
NOTE: Concentrations of room temperature liquids are given in % volume. Concentrations of room temperature solids are given in % weight.

Legend : A Excellent B Good C Fair D Poor/Not Recommended

Main chemical resistance table with columns: MATERIAL, CAS#, Functional Group, Class/Use, and resistance ratings for various Innovapure tubing grades (e.g., G/6W, GWC, F/RW, S/HP, P, 1185, 1280, 2300/2400, 3500, 4365/4375, 4500, 60E, XP, MED 55/65, LPE/HDPE, 4000/P, 5000/7000, 6000, 8000, K, PFA/PEEP/PTEE, Innovastar® G/W/P/HP, Innovatex®).

Continuation of the chemical resistance table, listing materials such as Antimony Chloride, Antimony Trichloride, Aqua Regia, Aroclor, Arsenic Acid, Arsenic Trichloride, Asphalt, ASTM#2 Diesel Fuel, ASTM Oil #1, ASTM Oil #2, ASTM Oil #3, ASTM Oil #4, ASTM Oil, B, ASTM Oil, C, ASTM Ref Fuel B, Barium Carbonate, Barium Chloride, Barium Cyanide, Barium Hydroxide, Barium Nitrate, Barium Sulfate, Barium Sulfide, Base - Strong, Base - Weak, Beer, Beet Sugar Liquors, Benzaldehyde, Benzene, Benzenesulfonic Acid, Benzoic Acid, Benzoyl Chloride, Benzyl Chloride, Benzyl Chloride (Chlorotoluene), Benzyl Chloride (Chlorotoluene), Bismuth Subcarbonate, Blast Furnace Gas (N2, CO), Boric Acid, Boron Fuels (HEF), Brake Fluid, Brewery Slop, Bromine, Bromine Pentafluoride, Bromine Trifluoride, Bromobenzene, Bromochloromethane, Bromoform, Bromotoluene, Butadiene, Butane, Butanol (n-Butanol), Butter (Animal Fat), Buttermilk, Butyl Acetate, Butyl Acetate, Butyl Acetyl Ricinoleate, Butyl Acrylate, Butyl Amine (Aminobutane), Butyl Benzoate, Butyl Butyrate, Butyl Carbitol, Butyl Cellulosolve, Butyl Chloride (Chlorobutane), Butyl Oleate, Butyl Stearate, Butylene (Butene), Butyraldehyde, Butyric Acid, Butyronitrile, Cadmium Sulfate 25%, Calcium Acetate, Calcium Bisulfite, Calcium Chloride (Chalk), Calcium Chloride, Calcium Chloride, Calcium Hydroxide, Calcium Hypochlorite, Calcium Nitrate, Calcium Oxide (Lime), Calcium Silicate, Calcium Sulfate (Gypsum), Calcium Sulfide, Calcium Sulfite, Calcium Thiosulfate, Cane Sugar Liquors, Caprylic Acid (Octanoic acid), Carbazole, Carbaryl, Carbon Dioxide, Carbon Disulfide, Carbon Monoxide, Carbon Tetrachloride, Carbonic Acid (Carbonated Beverages), Casein, Castor Oil, Cedarwood Oil, Cellulosolve Acetate, Cellulose, China Wood Oil (Tung Oil), Chlorane, Chloraxetol, Chloric Acid, Chlorine Dioxide, Chlorine Dioxide, Chlorine Trifluoride, Chlorine Water - Saturated, Chlorine, Anhydrous Liquid, Chlorine, Dry Gas, Chlorine, Wet Gas, Chloroacetaldehyde.

Table with columns: MATERIAL, CAS#, Functional Group, Class/Use, and 18 chemical resistance categories (Innovapure® G/GW, GWC, F/FW, S/HP, 1185, 1280, 2300/2400, 3500, 4365/4375, 4500, 66E, XP, MED 55/65, LDPE/HDPE, 4000/P, 5000/7000, 6000, 8000, K, PFA/FEP/PTFE, G/M/P/HP, Innovaflex®).

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Table with columns: MATERIAL, CAS#, Functional Group, Class/Use, and 20 columns of chemical resistance ratings (A, B, C, D, etc.) for various Innovapure products.

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