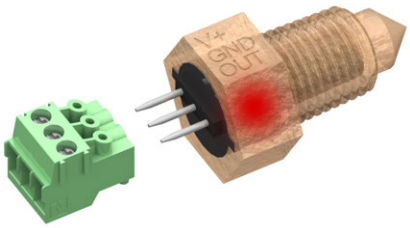
Application Note



The following list may be used as a guide and gives common industrial fluids that are typically compatible, however, it is recommended to check the application fluid for compatibility with Polysulphone before use.

Compatible Fluids for Polysulphone

Acetic acid - Glacial
Acetic acid - 10%
Ammonia - 88
Ammonium Hydroxide - 10%
Ammonium Chloride - 10%
Aviation spirit
Benzene
Benzoic acid
Bleach
Brine
Butane
Calcium Nitrate
Calcium Hyphochlorite
Carbon Tetrachloride
Chromic acid
Copper Sulphate
Creosote
Cyclohexane
Cyclohexanol
Detergent solutions
Diethylamine
Diethyl Ether
Dioctyl Phthalate
Edible fats & oils
Ethanol 50%
Ethyl Alcohol
Ethylene Glycol
Ferric Chloride
Formaldehyde
Formic acid
Glycerol
Heptane
Hydrochloric acid 10%
Hydrochloric acid conc.
Hydrogen Peroxide
Isopropanol
Iso-Octane
Kerosene
Linseed oil
Magnesium Sulphate
Methanol
Motor oil
Nitric acid 10%
Oils - Vegetable
Oxalic acid
Petroleum Ether
Potassium Hydroxide 10%
Potassium Hydroxide 50%
Silicone fluids
Silver Nitrate
Soap solution
Sodium Chloride
Sodium Hydroxide 10%
Sodium Hydroxide 50%
Sulphuric acid 10%
Transformer oil
Turpentine
Varnish
Water
White Spirit

This chemical compatibility list is not exhaustive and other fluids may be compatible with Polysulphone. It is recommended to test compatibility prior to application by submerging the tip and body threads into the desired fluid at the maximum opeartional temperature for a minimum of two weeks. Then check for signs of: cracking, crumbling, hazing melting or other deformations. Finally, perform a functional test of the sensor.