



FLUID HANDLING

How do you ensure that your lab, semiconductor or food processing applications won't be contaminated by materials in transport? It's easy ... use performance plastics!

APPLICATIONS

- Clinical and diagnostic — sampling, reagent transfer, dialysis, blood processing, washing
- Pharmaceutical industry
- Food processing and dispensing equipment
- Chemical process industry
- Semiconductor fabrication
- Ultra high purity fluid storage, transport, monitoring, control
- High performance liquid chromatography (HPLC) components
- Line tanks and transport vessels
- Manifolds, fittings, valves
- Municipal water and wastewater treatment
- Potable water treatment
- Pumps, valves
- Wafer carriers
- Industrial wastewater treatment
- Heat exchangers

ADVANTAGES MAY INCLUDE

- Low coefficient of friction
- High flexibility
- Outstanding temperature stability
- Chemical resistant
- Low gas and vapor permeability
- Corrosion resistance
- Smooth inner walls for a fluid flow path with no dead spots or crevices
- Meets high purity and high hygiene requirements
- Can be cleaned and sterilized using clean-in-place (CIP) or sanitize-in-place (SIP) methods
- Nonreactive with a wide variety of chemicals
- Does not contain impurities that can leach into the fluid stream
- Will not absorb contaminants
- Wide variety of pressure ratings
- Clarity — ability to monitor flow

MATERIALS

- Acrylic (PMMA)
- Chlorinated Polyvinyl Chloride (CPVC)
- Ethylene-Chlorotrifluoroethylene (ECTFE)
- Fluorinated Ethylene Propylene (FEP)
- Nylon (PA)
- Perfluoroalkoxy (PFA)
- Polyetheretherketone (PEEK)
- Polyethylene (PE)
- Polypropylene (PP)
- Polytetrafluoroethylene (PTFE)
- Polyurethane (PU/PUR)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Fluoride (PVDF)



DID YOU KNOW?

The original Hula Hoop was simply a hollow plastic tube; variations are made with ball bearings, bells or other noise makers inside the tube. While the toy itself could not be patented, the plastic used to make it is.