



# 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?

Hundreds of tons of pollutants are washed into our watercourses every year. Secure, reliable, efficient water filtration systems prevent such impurities reaching our taps and keep our drinking water clean and healthy to drink.