

CHEMICAL

Chemicals easily eat through many materials, but they've met their match with performance plastics. The right plastics can ensure a safe, durable, long-lasting performance even under the harshest conditions.

APPLICATIONS

- Laboratory equipment
- Municipal water and wastewater industry piping
- Drain-waste-vent systems
- Fume hoods and ducting
- Pump and valve components
- Renal care facilities
- Pharmaceutical, biopharmaceuticals and medical research
- High purity semiconductor industry
- HPLC tubing and valve components
- Lab countertops or other processing areas
- Chemical containers, storage or retention
- Plating tanks, barrels, parts
- Safety barriers, such as eye shields, face shields
- Pulp and paper bleaching
- Metals preparation and mining
- Fuel (underground transport and holding systems)
- Gaskets, seals and spacers
- Food, dairy and beverage
- Piping
- Tank and tanker linings
- Wall linings

ADVANTAGES MAY INCLUDE

- Corrosion resistant (broad spectrum chemical resistance)
- Low friction (ease of flow)
- Resistant to a wide range of temperatures
- FDA and USDA approved
- Easy to install
- Meets flammability standards
- Ease of fabrication (machined, welded and formed)
- High purity
- Static dissipation
- Excellent strength-to-weight ratios
- Long lasting, durable
- Wide range of operating pressure/burst resistant
- Lightweight
- Able to color code to indicate contents

MATERIALS

- Alpha-Nucleated PP-DWU Twin-Wall Sheets (PP-HKP)
- Chlorinated Polyvinyl Chloride (CPVC)
- Ethylene-Tetrafluoroethylene (ECTFE)
- Fiberglass Reinforced Plastic (FRP)
- Flame Retardant Polypropylene (FR PP)
- Fluorinated Ethylene Propylene (FEP)
- High-Density Polyethylene (HDPE)
- Nylon/Cast Nylon (PA)
- Perfluororalkoxy (PFA)
- Polyethylene (PE)
- Polyethylene, High Heat Resistant, UV Stabilized (PE-HWU)
- Polypropylene Copolymer (CPP), Homopolymer (PPH)
- Polytetrafluoroethylene (PTFE)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Fluoride (PVDF)
- Polyphenylene sulfide (PPS)
- Ultra-High Molecular Weight Polyethylene (UHMW-PE)



DID YOU KNOW?

Certain thermoplastics are 100 percent inert to corrosive chemicals across the entire pH range, cutting cost, weight and maintenance in applications.