



ENVIRONMENTAL

Not only do performance plastics have a low overall lifecycle carbon footprint, including being recyclable, they are used directly in applications that help preserve and restore the world in which we live.

APPLICATIONS

- Waste water system components
- Drinking water and sewage system flow control components
- Desalinization plant system components
- Pollution control scrubbing and piping components
- Landfill vent pipes
- Compost containers
- Trash truck components
- Construction, heavy equipment and transportation “lube free” wear components
- Incineration and storage conveyor components
- Clean water well exploration and production components
- Solar energy system components
- Biofuel cultivation, harvesting and processing components
- Fuel cell manifolds

ADVANTAGES MAY INCLUDE

- Strength
- Toughness
- Chemical, moisture and heat resistant
- Ease of processing and forming
- Ease of sealing
- Lighter and less expensive to manufacture than metal
- Transmits over 90 percent of light, yet is resistant to UV
- Weather resistant
- Recyclable
- Immune to electrolytic and galvanic corrosion, scaling, rusting and pitting
- Resistant to abrasion, bacteria and fungi
- Less frequent maintenance and replacement
- Less costly to transport and install
- Water conservation via fewer water main breaks
- High aesthetic appeal

MATERIALS

- Bioplastics
- Cast Nylon (PA)
- Chlorinated Polyvinyl Chloride (CPVC)
- High-Density Polyethylene (HDPE)
- Low-Density Polyethylene (LDPE)
- Polybutylene Terephthalate (PBT)
- Polycarbonate (PC)
- Polyethylene Terephthalate (PET, PETE)
- Polypropylene (PP)
- Polystyrene (PS)
- Polyvinyl Chloride (PVC)
- Polyetherimide (PEI)
- Polyethylene Terephthalate (PET)
- Plastic grates and walkways



DID YOU KNOW?

IAPD members are environmentally conscious: 91 percent have a company-wide sustainability program.