

MEDICAL

Performance plastics are facilitating a new frontier of more types of outpatient treatments, less invasive procedures and longer lasting materials. Plus, anti-microbial plastics cut down on infections.

APPLICATIONS

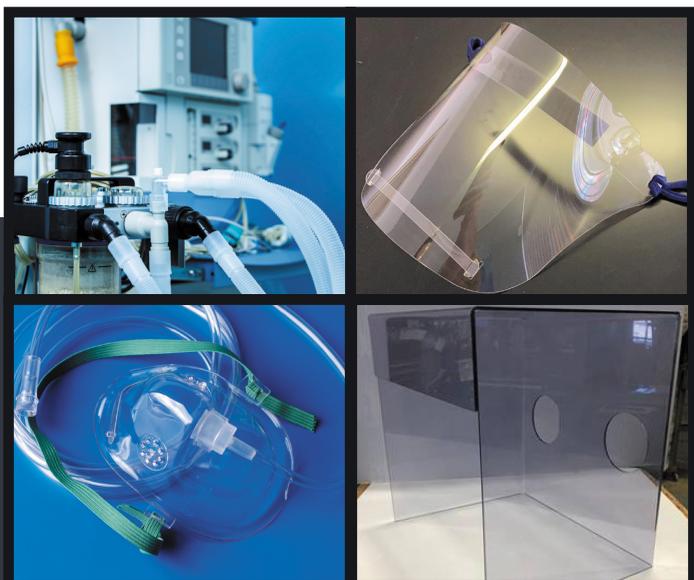
- Surgical instrument handles/grips
- Dental instrument handles/grips
- Orthopedic implants
- Pacemaker leads
- Endoscopic housing/eyepieces
- Sterilization trays/caddies
- X-ray and MRI parts
- Dialysis machines housings
- Respiratory units
- Pharmaceutical production/packaging
- Fluid distribution-valve housings/nozzles
- IV and infusion devices
- Diagnostic systems
- Feeding tubes
- Catheters

ADVANTAGES MAY INCLUDE

- Low manufacturing costs
- Low friction and wear
- Lightweight
- Resistant to high temperature, impact, chemicals
- Color coding options
- Easy to create ergonomic designs
- Maintains physical properties under thermal, chemical or electrical stress
- Good strength, toughness and hardness
- Can handle repeated sterilization
- Antimicrobial options
- Excellent wear properties
- Low-friction performance
- High purity
- Meets health regulations
- Meets precise dimensions
- Abrasion and shatter resistant
- Excellent thermal and oxidative stability

MATERIALS

- Acetal Copolymer (POM)
- Cyclic Olefin Copolymer (COC)
- Ethylene-Vinyl Acetate (EVA)
- Liquid Crystal Polymer (LCP)
- Polycarbonate (PC)
- Polyetheretherketone (PEEK)
- Polyethylene (PE)
- Polyetherimide (PEI)
- Polymethyl Pentene (PMP)
- Polyphenylene Oxide (PPO)
- Polyphenylene Sulfide (PPS)
- Polyphenylsulfone (PPSU)
- Polypropylene (PP)
- Polysulfone (PSU)
- Polyvinyl Chloride (PVC)
- PVC/Acrylic Alloy Sheet
- Silicone (SI)
- Styrene Acrylonitrile Copolymer (SAN)
- Styrene Maleic Anhydride-Polycarbonate (SMA-PC)
- Thermoplastic Elastomer (TPE)
- Thermoplastic Polyester (PBT)
- Thermoset Composite (Phenolics)
- Ultra-High Molecular Weight Polyethylene (UHMW-PE)



DID YOU KNOW?

Intravenous technology was first published in 1883 by Dr. Thomas Latta during a cholera epidemic in Britain. The standard IV use of saline solutions did not begin until 1902.