MRO MANUFACTURING

Performance plastics provide numerous advantages for any manufacturing operation. They're lightweight, hold up well under extreme conditions and are an excellent cost-effective alternative to metal.

APPLICATIONS

- Bushings and bearings
- Electrical insulators
- Gears, manifolds, pulleys, cams
- Rollers
- Patterns
- Parts carriers
- Dunnage
- Sheaves
- Slide pads
- Sprockets
- Valve components
- Corner tracks, rails, bumpers
- Wheels
- Housings
- Guards and safety shields
- Structural parts
- Electrical insulators
- Chain guides, machine guards, wear strips
- Housings
- Seals and gaskets
- Star wheels
- Valve components
- Windows
- Shaft collars

ADVANTAGES MAY INCLUDE

- Lightweight (easier to handle, store and less
  Reliable, durable, long-lasting
- Easy to fabricate
- May eliminate the need for additional lubrication
- Excellent electrical properties
- Lightweight
- Quiet
- Minimizes wear on mating metal parts
- High strength-to-weight ratio
- Excellent surface appearance
- Impact and abrasion resistant
- Machinability and weldability
- Chemical and corrosion resistant
- Cost effective
- Excellent bearing and wear

MATERIALS

- Acetal (POM)
- Acetate (AC)
- Acrylonitrile-Butadiene-Styrene (ABS)
- Acrylic (PMMA)
- Chlorinated Polyvinyl Chloride (CPVC)
- Glycol Modified Polyester Terephthalate (PETG)
- High-Density Polyethylene (HDPE)
- Nylon/Cast Nylon (PA)
- Phenolics (Industrial Thermosets)
- Plastic Lumber
- Poly-Imide (PI)
- Polyamide-Imide (PAI)
- Polybutylene Terephthalate (PBT)
- Polycarbonate (PC)
- Polyetheretherketone (PEEK)
- Polyester films
- Polyethylene Terephthalate (PET/PETE)
- Polyphenylene Sulfide (PPS)
- Polypropylene (PP)
- Polysulfone (PSU)
- Polytetrafluoroethylene (PTFE)
- Polyurethane (PU/PUR)
- Polyvinyl Chloride (PVC)
- Polyvinylidene Fluoride (PVDF)
- Silicone (SI)
- Ultra-High Molecular Weight Polyethylene (UHMW-PE)

DID YOU KNOW?
The manufacturing sector is a major part of the economy as it accounts for nearly 16% of the global GDP in 2018.