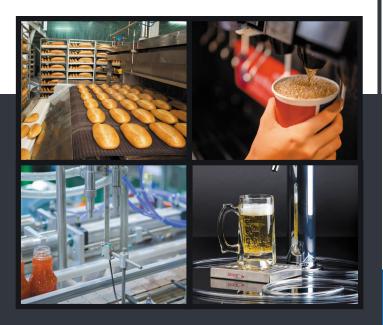




Performance plastic materials are used in a variety of food processing and packaging machinery applications including friction and wear parts. Plastic tubing/piping is to handle fluids. Plastic sheet materials are used for safe, easy-to-clean cutting boards.

## **APPLICATIONS**

- · Bushings, bearings, cams
- Conveyor parts
- Feed screws
- · Guide rails
- · Machine guards, windows
- Pipes and tubes for fluid processing
- · Pistons/plungers
- · Rollers
- · Seals, seats, gaskets
- · Gears, sprockets
- · Star wheels
- Thermoformed machine housings
- Wear strips
- Forming dies
- · Scraper blades
- · Cams and cam guides
- · Nozzles/dispensing heads



## **ADVANTAGES MAY INCLUDE**

- Lightweight for high-speed production using smaller drive motors
- Reduced maintenance and reduced contamination by eliminating lubrication
- Resistance to clean-in-place (CIP) and sanitize-in-place (SIP) cleaning chemicals
- · Resistant to hot water and steam
- · Long wear life
- Limited wear on food packaging and/or mating machine parts
- Transparency for easy viewing of machine during operations
- Grades are available that comply with FDA, NSF, 3A dairy and other federal agency regulations

## **MATERIALS**

- · Acetal (POM)
- · Acrylic (PMMA)
- · High-Density Polyethylene (HDPE)
- · Nylon (PA)
- · Polycarbonate (PC)
- Polyethyleneterephthalate (PET)
- · Polyetheretherketone (PEEK)
- · Polyetherimide (PEI)
- · Polyamide-Imide (PAI)
- · Polypropylene (PP)
- Polyvinyl Chloride (PVC) rigid and flevible
- · Polytetrafluroethylene (PTFE)
- · Ultra High Molecular Weight Polyethylene
- · (UHMW-PE)
- Visual and Metal detectable materials available



## **DID YOU KNOW?**

PTFE, one of the first plastics used in food processing, was discovered by accident. DuPont engineers were experimenting with TFE as a new refrigerant, but when the gas was stored in cylinders it polymerized into PTFE resin.