



HEAVY EQUIPMENT

Despite the extremely heavy loads and challenging work environments of most heavy equipment, performance plastics offer performance superior to many traditional materials in vital applications.

APPLICATIONS

- Bushings and bearings
- Wear pads
- Sheaves
- Guides for electrical and hydraulic lines
- Rollers
- Liners
- Chutes
- Seals
- Outrigger pads
- Slide bars/cam actuators
- Cushion pads (pile-driving equipment)
- Guards and fenders
- Glazing (windows)
- Grating
- Stairs

ADVANTAGES MAY INCLUDE

- Lightweight
- Corrosion resistant
- Low friction
- High wear resistant
- High impact resistant
- No external lubrication required
- Reduced wear on mating parts
- Ease of installation and assembly
- Low conductivity, thermally and electrically
- High strength
- Dimensional stability
- Wide service temperature range
- Reduced maintenance cost

MATERIALS

- Acrylic (PMMA)
- Fiberglass Reinforced Polymers (FRP)
- High-Density Polyethylene (HDPE)
- Nylon (PA)
- Polycarbonate (PC)
- Polyethyleneterephthalate (PET)
- Ultra-High Molecular Weight Polyethylene (UHMW-PE)



DID YOU KNOW?

Self-lubricating performance plastic wear parts can reduce or eliminate lubricant “wash-out” in heavy equipment bearing applications, greatly reducing non-point source pollution that seeps into the groundwater.