
















RECREATION

PLASTIC AND RUBBER APPLICATIONS

From swimming pools to roller coasters to basketball backboards and playground equipment, if you're having fun, chances are plastics are along for the ride. Relax and enjoy the durability of plastics!

ADVANTAGES

-  Weather, UV, fire and chemical resistant
-  Sound deadening/attenuation
-  Impact and wear resistance
-  Provides variety of rolling resistances, load bearing capacities and hysteresis characteristics (for roller coaster designs)
-  Shatterproof
-  Lower incidents of breakage means less need to maintain replacement stock
-  Available in many colors
-  Easy to fabricate and thermoform
-  Allows maximum daylight into interior spaces
-  Can withstand extreme temperatures
-  Thermal insulation
-  Reduces heat build-up in hot climates
-  Less breakage means safer designs

DID YOU KNOW?

Americans spend more than \$4 billion annually at amusement parks, with roller coasters being the largest attraction.

TYPICAL APPLICATIONS

- ▶ Swimming Pools — water treatment, pool enclosures, diving boards, piping
- ▶ Snowmobiles — skis, slide suspensions, sprockets, fuel lines, windshields, bumpers, bearings and bushings
- ▶ Amusement park rides — housings, wheels, bumpers/rub rails, benches, piping, canopies
- ▶ Bowling alleys — pin guides, kick plates, ball returns, rollers
- ▶ Hockey shielding, dasher systems and synthetic ice
- ▶ Playground equipment
- ▶ Parks — picnic tables, basketball backboards
- ▶ Piping
- ▶ Waterslide components
- ▶ Skylights
- ▶ Safety Matting and Flooring

MATERIALS:

- ▶ Acrylonitrile-Butadiene-Styrene (ABS)
- ▶ Acetal (POM)
- ▶ Acrylic (PMMA)
- ▶ High-Density Polyethylene (HDPE)
- ▶ Nylon (PA)
- ▶ Polycarbonate (PC)
- ▶ Polyethylene (PE)
- ▶ Polypropylene (PP)
- ▶ Polytetrafluoroethylene (PTFE)
- ▶ Polyurethane (PU/PUR)
- ▶ Polyvinyl Chloride (PVC)
- ▶ PVC/Acrylic Alloy
- ▶ Rubber
- ▶ Ultra-High Molecular Weight Polyethylene (UHMW-PE)

Manufacturing & Fabrication Services

Redwood Plastics and Rubber is dedicated to the specialized requirements necessary to turn stock plastics, rubber and composites into precision mechanical components of the utmost quality.

We can design, machine, mill, weld, route, and drill to produce prototypes, short runs, production runs or maintenance parts.

Save time and money by utilizing our experienced fabricators and plastic and rubber specialists.

