



MATERIAL HANDLING

PLASTIC AND RUBBER APPLICATIONS

Moving materials from one place to another seems like it should be simple, but to do it quickly and cost-effectively requires specialty equipment which uses a wide array of plastics to meet ever-increasing performance and safety requirements.

ADVANTAGES

-  Low coefficient of friction
-  Noise and vibration attenuation
-  High flexibility for ease of installation
-  Abrasion resistant
-  Corrosion resistant
-  Lightweight
-  Impact resistant
-  Light transmission/clarity
-  Static dissipative and conductive grades

DID YOU KNOW?

Transport of material via conveyor belt dates back to 1795, when belts were made of leather and used to transport grain very short distances. Today, the longest single conveyor belt in the world is used in the phosphate mines of the western Sahara. It measures 60 miles in length!

TYPICAL APPLICATIONS

- ▶ Bearings, bushings, bearing cages
- ▶ Wear pads
- ▶ Rollers
- ▶ Sheaves/pulleys
- ▶ Guides
- ▶ Cams/cam followers
- ▶ Edge guards/profiles
- ▶ Auger edge strips
- ▶ Chute liners
- ▶ Windows
- ▶ Light shields
- ▶ Safety sight guards
- ▶ Sight glasses (flow control)
- ▶ Feed/timing screws
- ▶ Starwheels
- ▶ Venturi throat liners
- Temperature resistance (hot or cold)

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.

MATERIALS:

- ▶ Acrylic (PMMA)
- ▶ Nylon (PA)
- ▶ Polycarbonate (PC)
- ▶ Polyetheretherketone (PEEK)
- ▶ Polyethylene (PE)
- ▶ Polypropylene (PP)
- ▶ Polytetrafluoroethylene (PTFE)
- ▶ Polyethyleneterephthalate (PET)
- ▶ Polyurethane (PU/PUR)
- ▶ Polyvinyl Chloride (PVC)
- ▶ Polyamide-imide (PAI)
- ▶ Rubber (Molded and Sheet)
- ▶ Ultra high molecular weight polyethylene (UHMW-PE)

