



Agriculture

Do you want longer-lasting parts on your machinery that require less horsepower to run and are so quiet they don't bother the animals? Look no further than plastics for your agricultural needs.

Applications

- Tanks (water, chemical, fuel)
- Kickplates (interior horse trailer walls, ladder bases)
- Chutes (linings, troughs, pivots)
- Panels (shields, shrouds, side panels, roof components)
- Pipe (slurry material distribution, watering systems)
- Feeders (livestock and poultry feed bins, drinking systems)
- Irrigation (pipe, valves, nozzles, bearings)
- Planting/harvesting (seed boxes, bearings/bushings, slide pads)
- Covers (cultivator shanks, tanks, hoppers, storage bins, skid plates)
- Augers (flight facings, linings, drag plates)
- Seals (bucket elevators, bearings, spray systems, oil/fuel systems)
- Bushings, bearings, cams, gears, tensioners
- Skid plates, plow shares, feeder tubes, wear strips
- Partitions/skylights (barn, greenhouse, poultry, bins, dairy farms, sheds, kennels, workshops, roofing systems)



- Excellent light transmission
- Various tints available
- Shatter resistant
- Reduced coefficient of friction (especially self-lubricating grades)
- Reduce or eliminate "stick-slip"
- Reduced wear on mating parts
- Longer wear life
- Fire and UL listed grades available
- UV inhibited grades (reduces premature disposal of parts)
- Antistatic grades (prevent fires and explosions due to static discharge)
- Sound-deadening properties reduce need for ear protection
- Reduction/elimination of external lubrication possible
- Many materials are recyclable
- Excellent cost-performance ratio

- **Polytetrafluoroethylene (PTFE)**
- **Ultra-High Molecular Weight Polyethylene (UHMW)**

Did you know?

More and more agricultural products, including thousands of acres of thin mulch film, which are used to produce high quality vegetables, are being recycled into "plastic wood" and numerous other secondary products, keeping those materials out of landfills, creating demand for recycling plants and making farms more sustainable.

Advantages May Include

- Lightweight (easier to handle, store and less expensive to ship)
- Easier to machine and install
- Corrosion resistant (eliminates rust and special corrosion coatings)
- Excellent insulating properties
- Excellent strength-to-weight ratios
- Outstanding toughness and impact resistant
- Improves product flow, less sticking and "carry-back" less product damage

Materials

- **Acetal (POM)**
- **High-Density Polyethylene (HDPE)**
- **Nylon (PA)**
- **Polycarbonate (PC)**
- **Polyvinyl Chloride (PVC)**
- **Polyvinylidene Fluoride (CPVC)**



Environmental and Safety

Considering the total carbon footprint, including costs of raw materials, manufacture, transport, fabricate, install, maintain, plastics compare favorably with more traditional materials. Also, plastics are safer to handle and install. When you consider that most plastics are readily recyclable, they can become the most environmentally responsible and safest choice for many demanding agriculture applications.



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