

Plastics for Food and Beverage Processing Equipment



BENEFITS OF PLASTIC:

- Ease of fabrication
- Noise reduction
- Excellent bearing and wear characteristics
- Lighter weight than metal
- Chemical and corrosion resistance
- FDA, USDA, and 3A Dairy compliant grades
- Detectable grades

Engineering materials to meet your needs

Curbell Plastics has materials to meet the food safe requirements of food and beverage processing equipment. Your materials must be reliable, long-lasting, and easy to fabricate to keep equipment running longer with lower friction and less noise. Plastics are used for a wide range of food and beverage processing applications including chain guides, conveyor belting, filler pistons, idler sprockets, machine guards, detectable parts, profiles, rollers, and star wheels.

Material selection, expert advice

"We had issues with excessive wear on the curved plastic chain guides on our beverage bottling line. Curbell was able to supply us with an alternate plastic material with longer wear life. This reduced downtime on the line."

– Curbell Customer Feedback

TYPICAL APPLICATIONS:

- Chain guides
- Conveyor belting
- Cutting boards
- Feed/timing screws
- Filler pistons
- Flexible tubing
- Idler sprockets
- Machine guards
- Metal detectable machinery parts
- PTFE tape for bag sealing equipment
- Rollers
- Spacer rods
- Star wheels
- UHMW profiles
- Wear strips/guide tails
- X-Ray detectable machinery parts

COMMON MATERIALS:

- ABS
- Acetal
- Acrylic
- Detectable materials (optical, metal, x-ray)
- HDPE
- KYDEX® Thermoplastic Sheet
- Nylon
- PEEK
- PET
- Polycarbonate
- Polypropylene
- PTFE
- PTFE tapes and fabrics
- PVC
- Tubing and hose
- UHMW
- UHMW tapes



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