

Plastics for Heavy Equipment Applications



BENEFITS OF PLASTIC:

- Ease of fabrication
- Impact and abrasion resistance
- UV stabilized grades for long-term use in outdoor environments
- High-temperature and low-temperature capabilities
- Resistance to chemicals, moisture, and corrosion
- Reduced fuel costs
- Noise reduction
- Excellent bearing and wear characteristics

Engineering materials to fulfill your needs

Curbell Plastics supplies performance plastic materials to meet the most demanding application requirements of heavy equipment manufacturers. We know that machinery is often exposed to repeated impact and extreme environments. Your materials must be tough, reliable, long-lasting, and easy to fabricate.

Plastics add exceptional value for heavy machinery used in agriculture, building construction, road construction and maintenance, snow and ice removal, towing, drilling, and much more.

Material selection, expert advice

Our plastic material and part design experts work daily with equipment manufacturers, design and cost engineers, maintenance and repair professionals, and procurement and supply chain managers. We assist with application and component design challenges; material selection, supply, and inventory management; stock shapes cut-to-size; prototype development; and part fabrication.

TYPICAL APPLICATIONS:

- Bearings and bushings
- Bumpers
- Cab interiors, doors, and consoles
- Chute liners
- Crane pads, cribbing pads, and outrigger pads
- Gears
- Hammer cushion pads
- Instrumentation covers
- Pulleys
- Roller components
- Sheaves and pulleys
- Slide pads
- Snow plow blades
- Telescopic boom components
- Truck and trailer bed linings
- Wear strips and pads
- Windows and protective glazing

COMMON MATERIALS:

- ABS
- Acetal
- Acrylic (abrasion-resistant, UV-resistant grades)
- HDPE
- KYDEX® Thermoplastic Sheet
- MOMENTIVE® silicone adhesives
- Nylon
- Phenolic (CE canvas and LE linen)
- Plexus® Methacrylate, Structural Adhesives
- Polycarbonate (abrasion-resistant, UV-resistant grades)
- Polypropylene
- PVC
- UHMW



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PLASTICS

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