

# Plastics for Fitness Equipment



## Benefits of Plastic:

- Superior aesthetics
- Extremely durable and able to withstand vibration and repeated impacts
- Noise reduction
- Excellent friction and wear characteristics allow for smooth operation without the use of external lubricants.
- Chemically resistant grades available
- Antimicrobial grades available

Fitness equipment may be subjected to wear, heavy mechanical loads, vibration, and repeated impacts during use. It is also frequently cleaned using detergents and disinfectants. Curbell Plastics supplies plastic materials in grades that resist harsh cleaning chemicals and disinfectants. High performance polymers are ideal materials for demanding fitness equipment applications. They offer superior aesthetics with color throughout the material so it won't chip or wear through like metal surfaces. Many plastics have great friction and wear characteristics that allow for smooth operation without the use of external lubricants.

### Material selection, expert advice

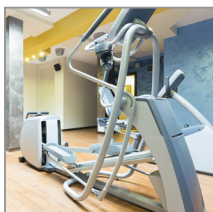
We invite you to reach out to us to source plastic sheet, rod, and tube materials as well as machined and thermoformed plastic parts. Curbell has an experienced team and we are available to discuss your supply chain and application challenges.

### TYPICAL APPLICATIONS:

- Bearings
- Bushings
- Housings and covers
- J hooks for supporting weights
- Liner materials for weight racks and storage pins
- Pulleys for guiding wire rope
- Safety bar liners
- Seating surfaces
- Wheels
- Rollers

### COMMON MATERIALS:

- Acetal
- Acrylic
- Frosted Acrylic Sheet
- HDPE
- KYDEX® Thermoplastics
- Nylon
- PETG
- Polycarbonate
- UHMW-PE
- UHMW Tape



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PLASTICS

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