

# Plastics for Life Sciences and Medical Equipment



## BENEFITS OF PLASTIC:

- Withstand repeated sterilization cycles (autoclave, gamma radiation, and EtO)
- Medical grades to comply with agency standards including FDA, USP Class VI, ISO 13485, and ISO 10993
- Lot and batch traceability
- Toughness and durability
- Electrical insulating properties
- X-ray opaque grades available

## Plastic materials to fulfill your needs

Curbell Plastics has materials to meet the demanding requirements of the life sciences and medical equipment industry. We recognize that medical device manufacturers require durable FDA, USP Class VI, ISO 13485, and ISO 10993 compliant materials that stand up to repeated sterilization. Our ISO 9001 facilities meet the most rigorous quality management documentation requirements.

Plastics are used for a range of medical applications including dental and surgical instrumentation, diagnostic equipment, patient positioning devices, sterilization trays, wheelchairs, x-ray imaging equipment, and more.

## Material selection, expert advice

*"Curbell worked with our designers to replace a painted metal housing with a formed plastic one. This saved cost and weight and improved the aesthetics of our product".*

– Curbell Customer Feedback

## TYPICAL APPLICATIONS:

- Dental and surgical instrumentation
- Diagnostic equipment
- Patient positioning devices
- Sterilization trays
- Wheelchairs
- X-ray imaging equipment

## COMMON MATERIALS:

- ABS
- Acetal
- Acrylic
- Delrin®
- Flexible tubing
- HDPE
- ISO 13485-certified UV-curable adhesives
- KYDEX® Thermoplastic Sheet
- Nylon
- PEEK
- Polycarbonate
- Polypropylene
- PPS
- PPSU (Radel® R)
- PTFE
- PSU (polysulfone)
- PTFE
- Ultem®



Please note that Curbell Plastics, Inc. makes no warranty or representation that any listed materials may be used in medical applications involving implantation in the human body or contact with internal body fluids or tissues. It is solely our customers' responsibility to determine if any listed materials are safe for their intended medical application.

**CURBELL**  
PLASTICS

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