

Plastics for Medical-Grade Machining Applications



Plastic Materials to Fulfill Your Needs

Curbell Plastics supplies a wide variety of thermoplastic sheet, rod, and tube materials to meet the demanding performance requirements of the medical equipment industry. We recognize that medical device manufacturers require lot and batch traceability and certificates of conformance documenting that their raw materials meet ISO 10993-5, USP Class VI, and FDA standards.

Curbell Plastics adds value for our medical equipment customers by working with their engineers and fabricators to identify medical-grade plastic materials for their applications.

APPLICATIONS:

- Surgical instrument: handles, knobs, leuc locks
- Surgical trays
- Orthopedic implant sizing trials
- Endoscopic equipment
- Dental instruments
- Bearings and bushings
- Electrical insulators
- Flexible tubing
- Housings and manifolds
- Pump components
- Seals and valve components

MATERIALS:

- ABS
 - Acetal (Homopolymer/Delrin® natural, black, colors)
 - Acetal (Copolymer/Celcon® natural, black, colors)
 - Acrylic
 - HDPE
 - KYDEX® thermoplastic sheet
 - Kynar® PVDF
 - Noryl HN055
 - Nylon
 - PEEK (natural, black, colors)
 - Polycarbonate
 - Polypropylene
 - Polypropylene (heat stabilized)
 - Polysulfone
 - PPS
 - PTFE
 - Radel R® (natural, black, colors)
 - UHMW
 - Ultem® (natural, black, colors)
- *custom colors by request

Available quality control procedures and services include lot and batch traceability, ultrasonic testing, and certificates of analysis showing that resins are from approved suppliers. Please note that these products are not recommended or intended for use as permanent implants.

How Curbell Plastics' medical-grade polymers can benefit your business:

- High performance plastics can withstand repeated sterilization cycles (autoclave, gamma radiation, and ETO)
- Medical-grade materials comply with agency standards including USP Class VI, ISO 10993-5, and FDA
- Curbell's ISO 9001:2008 quality management system insures lot and batch traceability with all shipments
- Curbell's high quality materials have excellent machinability, toughness, and durability.



Our medical-grade partner  **RÖCHLING**
Engineering Plastics

Our material partners

 **CASTNYLONS**  **ENSINGER**  **Sheffield Plastics**
A Bayer MaterialScience LLC business

Put us to work – for you!™

Curbell Plastics has been supplying plastic sheet, rod, tube, films, adhesives, sealants, tapes, prototyping and tooling materials, and fabricated parts for over 65 years

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