



# SHAPING THE FUTURE OF MEDICAL PLASTICS

THROUGH MATERIAL STRENGTH  
AND APPLICATION EXPERTISE

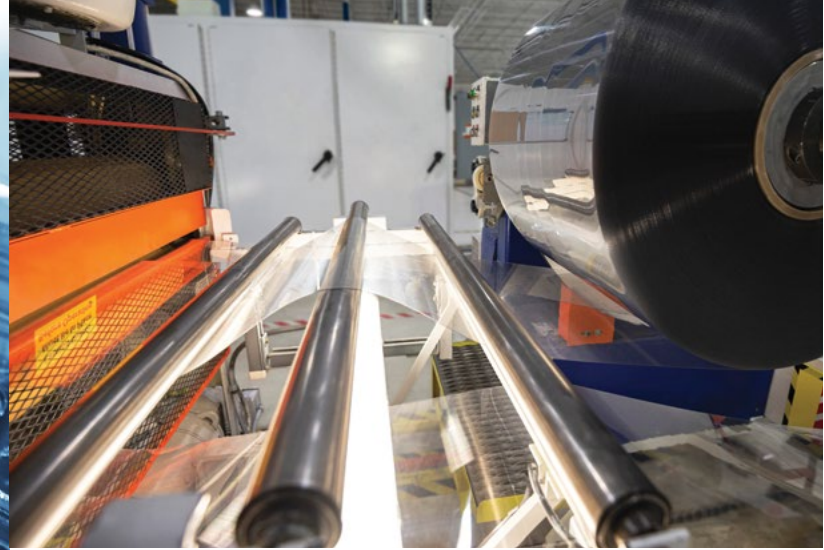


**POLYCAST**

**ROYALITE**

**IN TODAY'S WORLD,  
EVERY MEDICAL PRODUCT  
REQUIRES A HEALTHY AMOUNT  
OF MATERIAL INNOVATION.**

And Spartech is making a world of difference with the exact material and expertise you require. We offer custom material development, process development, proprietary formulations and maintain a strict adherence to quality standards. Our collaborative approach to solving technical challenges is backed by 50 years of proven expertise in developing resins and manufacturing materials that deliver durability, heat resistance, aesthetics, manufacturability and meet complex regulatory requirements. This not only makes us a leader, but helps us make medical grade materials that make an essential difference in your product outcomes.



We're a reliable partner that uses our medical grade plastics expertise to shape your project for success.

It means we are responsive and deliver the right solutions that meet your material/chemistry specifications, timelines and budget requirements. Spartech operates 14 plants across the United States and utilizes a wide range of highly technical manufacturing processes and polymer material science capabilities – all to consistently deliver superior performance and supply chain reliability.

## **PACKAGING TECHNOLOGIES**

### **MEDICAL PACKAGING**

Spartech offers medical grade PET, PETG, HDPE, HIPS, Polypropylene and Polycarbonate. Applications include packaging for medical devices and surgical and surgical prep kits, consumable diagnostic slides or strips, surgical kits trays and containers, medical device components, and pharmaceuticals packaging.

- **Meets U.S. Food and Drug Administration (FDA) medical protocols**
- **Can be sterilized using ETO sterilization or Gamma radiation**
- **Capability to deliver products under 0.010" in thickness**
- **Produced by three manufacturing facilities, not just one**



## TUPPAK® BIOHAZARD BAGS

Our polypropylene autoclave biohazard bags are specifically engineered to meet the most difficult regulations enforced worldwide for sterilizing or decontaminating hazardous materials. These bags are specifically intended for industries specializing in biotech, pharmaceuticals, healthcare, medical research, government / military use, and OEM parts that require sterilization prior to use or assembly:

- Compliant with specific Federal DOT and EPA Regulations
- Exceed stringent ASTM tear and dart drop tests
- Included OSHA required markings and temperature indicator patch
- Compliant with specific CDC, EU, World Health Organization, & state health/safety codes
- Available in red, clear, orange, yellow and custom blue and green colors



## + MediSheet™



### MEDISHEET™ MATERIAL FOR BACKING CARDS

For an easier-to-use and more sustainable option to package surgical, dental, and other medical devices, MediSheet™ provides a sturdy yet lighter weight, easily recyclable option. It can be provided as sheet or Spartech will design and cut a custom die cut configuration. Your logo or any usage information can be digitally printed as well. All this can be done in one of two plants, so there are no delays transferring materials for the processes, but there is still redundancy of two plants. MediSheet is:

- Specialty grade HDPE, co-poly polyethylene medical grade
- Clean, ultra-low particulate, QA specification and procedure in place to minimize imbedded particulates
- Available in sheet and custom die cut cards
- Digital and screen printing available on site

## ENGINEERED MATERIALS

### SPECIALTY MEDICAL DEVICES

Polycast® PMMA medical grade acrylic rods and sheet materials are used in a variety of specialty medical device applications. This ultra-high quality cast material is an optically clear implantable-grade cell-cast acrylic making it easier for surgeons to use.

- Available in rod, tube and sheet configurations
- Based on biocompatibility test results, Polycast acrylic as supplied is suitable for manufacturing medical devices
- Applications range from implantable diabetes treatment devices, fluidic reservoirs, implantable orthopedics, intraocular lenses, and cranial implants
- Polycast® FDA Grade acrylic sheets are Certified NSF Standard 51 in clear, white, red, blue, and green



### MEDICAL DEVICES HOUSINGS

The Royalite® line of product materials remains the most trusted and reliable brand of rigid thermoplastic sheets available. The proprietary formulation is ideal for medical equipment housings and enclosures that have stringent UL and other performance requirements. Applications include imaging equipment, diagnostic machines, hospital beds, mobile computer stations, and clean room wall coverings.

- Meets UL safety certification requirements (UL 94 HB, UL 94 v-0, and UL 94 5VB)
- ASTM E84 class 1/A for surgical room wall coverings and pharmaceutical clean rooms
- Available in a wide range of colors, surface textures and 100% recycled materials

We are a leading medical grade plastics manufacturer that leverages our knowledge of materials, processing, and application development to deliver the highest level of value to our customers.



11650 Lakeside Crossing Ct.  
Maryland Heights, MO 63146

**800-677-4338**