



Polymer Resources

COMPOUNDING SUCCESS



Medical Devices and Equipment

► Meeting the High Standards of the Medical Device Industry

Non-invasive medical devices and equipment require engineering thermoplastic materials that meet rigorous requirements, including:

- Chemical Resistance
- Regulatory Compliance
- Aesthetics and Color Stability
- Lightweighting for Portability
- Durability for Extended Useful Life
- UL Listing for Electronic Applications

70+
UL-Listed
Grades

► Our Products

We produce high-quality engineering resins and blends formulated for medical device applications:

- Polycarbonate (PC)
- Modified Polyphenylene Ether (PPE)
- Acrylonitrile Butadiene Styrene (ABS)
- Polybutylene Terephthalate (PBT)
- Acrylonitrile Styrene Acrylate (ASA)
- Nylon 6 & 6,6
- Polyetherimide (PEI)
- Blends:
PC/ABS, PC/PBT, PC/ASA, ABS/PBT

We are industry leaders in custom compounding of resins and blends using a broad portfolio of:

- **Additives:**
 - UV stability, mold release, colorants and other stability additives
- **Modifiers:**
 - Flame retardants, impact modifiers, flow enhancers, processing aids
- **Reinforcing Agents:**
 - Glass fibers, mineral fillers

► Applications

Our products are used in housings and other components for a variety of medical and surgical devices and equipment, such as:

NON-INVASIVE MEDICAL DEVICES

- Oxygen Concentrators
- CT-scanners
- Defibrillators

SURGICAL INSTRUMENTS

- Handles

DIAGNOSTIC/IMAGING EQUIPMENT

- MRI Machines
- Ultrasounds

PATIENT MONITORING

- Heart Rate Monitors
- Insulin and Dialysis Pumps
- Device Lenses

MEDICAL TRANSPORTATION

- Hospital Beds
- Backboards
- Medical Carts and Trays

► Our Services

To help you achieve the best results with our materials, Polymer Resources provides expert services:

► Technical Expertise

- Product Selection
- Process Optimization
- Part & Tool Design Support
- Regulatory Requirements

► Stability

- 50 Years in Business
- Privately Owned
- Reliable Source
- Longstanding Employees
- Continuous Investment
- Just-in-time Manufacturing



► Manufacturing

- Production Compounding in Farmington, CT and Rochester, NY
- Engineering Resins, Blends, Alloys and Certified Circular Grades
- Closed-loop Recycling
- Express Manufacturing

► Quality Guarantee

- Customer-centric Culture
- ISO9001 Certification
- Product Returns: <1%
- Lot-to-lot Consistency

► Customization

- Custom Formulations
- Fast, Precise Custom Color-matching
- Tailored Services
- Flexible Orders: 250 lbs. to truckloads

► Accelerated Time to Market

- Fast, Expert Responses
- Expedited Regulatory Approvals (UL, CSA, NEMA)
- Short Lead-times
- Extensive Local Warehousing
- 99% On-time Delivery

► Our Proven Value

For more than 50 years, Polymer Resources has provided high-quality products and services, rapid responses, short lead times and business stability to benefit our customers.

50
years

► About Polymer Resources

Polymer Resources is a leading, privately owned U.S. supplier of high-quality customized specialty engineering resin compounds, color-matching services and related material technology solutions for the electrical, medical, consumer goods, business equipment and automotive industries. The company has been doing business for half a century, attesting to its focus on excellence, customer centricity and reliability.

Talk to one of our experts today. Call 1-800-243-5176, email info@prlresins.com or visit www.prlresins.com