



Polymer Resources

COMPOUNDING SUCCESS



Building & Construction

► Addressing the Industry's Toughest Requirements

Polymer Resources has developed a broad portfolio of resins that are UL-listed and NEMA-approved for electrical applications in building & construction, and meet stringent standards for:

- Flame Retardance
- Arc Resistance
- Hot-wire Ignition
- High-amp Arc Ignition (HAI)
- Comparative Tracking Index (CTI)
- Elevated Relative Thermal Index (RTI)
- High-voltage Arc Tracking Rate (HTVR)
- Flammability under UL94 V0 and 5VA

**UL746C
F1 RATING**
for Outdoor
Use

70+
UL-Listed
Grades

► Our Products

We produce high-quality engineering resins and blends for the electrical needs of the building & construction industry:

- 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, ABS/PBT, PC/ASA, PPE Nylon

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 a wide range of electrical components for building & construction. They include, but are not limited to:

- Receptacles
- Wall plates
- Junction boxes
- High bay lighting for industrial B&C
- Switches
- USB connectors
- Ceiling fan boxes



Ask us about our Sustainable Materials Portfolio.

► 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