



# Polymer Resources

## Structural Foam

Polymer Resources has over 44 years of experience using the latest technology to custom formulate polymers and blends to meet your specific performance, compliance, aesthetic and processing requirements. Our offering includes a broad portfolio of UL approved materials for structural foam applications to help reduce part weight by up to 25% while achieving a high strength-to-weight ratio, rigidity and impact resistance.

UL approved materials give customers greater confidence that their end products will meet UL requirements, and help streamline the overall approval process. Further, our UL listings are based on testing of foam molded parts to ensure that our materials are ready to be used in UL regulated applications. In fact, many Polymer Resources materials are currently being used successfully in structural foam parts for medical, consumer and industrial end products.

## Process Optimization

As we do for resins and blends that will be manufactured using injection molding, blow molding and extrusion, Polymer Resources optimizes our materials for structural foam molding. We test every lot to ensure all critical properties meet specifications and remain consistent from lot to lot, so customers can rely on receiving what they need for each application.

## Portfolio Highlights

- **UL-listed Grades:** Polymer Resources offers multiple UL listed foam grades across several product families. These materials meet the UL94 flame rating in a foamed structure.
- **Flame-retardant Grades:** We offer FR polycarbonate (PC) resins, polybutylene terephthalate (PBT) resins, PC/PBT blends and modified polyphenylene ether (PPX) products. We also offer PPX grades that use a non-halogenated FR additive.
- **Custom Color:** Any of our structural foam grades can be custom colored or color matched by our color specialists.
- **Special Properties:** Our PBT grades deliver excellent chemical resistance, and our PPX grades provide superior hydrolytic stability.

## Structural Foam Grades

- PPX SF1                      Easy Flow FR PPE/PS Blend
- PPX SF2                      Standard Flow FR PPE/PS Blend
- PC SF FR                      5% Glass-filled FR PC
- PC SF FR1                      10% Glass-filled FR PC
- PC SF FR G20                      20% Glass-filled FR PC
- PC SF FR G30                      30% Glass Filled FR PC
- TP SF G10                      10% Glass Filled PBT
- TP SF G30                      30% Glass Filled PBT
- TP SF FR G10                      10% Glass Filled FR PBT
- TP SF FR G30                      30% Glass Filled FR PBT

***Talk to a structural foam expert at Polymer Resources today***

**1-800-243-5176**

**[www.prlresins.com](http://www.prlresins.com)**



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## About Polymer Resources

Headquartered in Farmington, CT, Polymer Resources is a leading, privately owned U.S. supplier of high-quality customized specialty engineering resin compounds, color-matching services and related materials technology solutions.

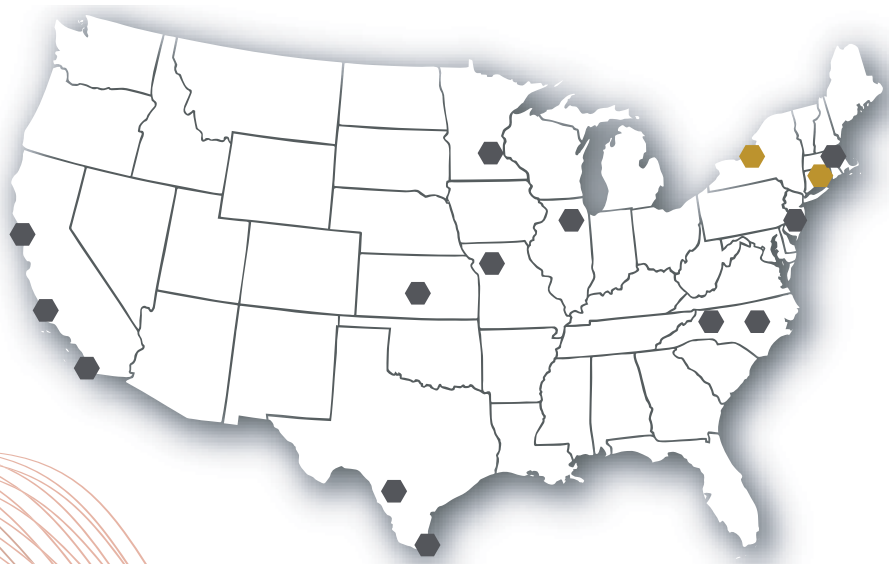
## Locations

### Headquarters and Production Facility

656 New Britain Avenue  
Farmington, CT 06032

### Production Facility

23 Moonlanding Road  
Rochester, NY 14624



● Operations  
● Warehousing Centers

## Warehousing Centers

Bensenville, Illinois  
Hickory, North Carolina  
Durham, North Carolina  
Kansas City, Missouri  
Minneapolis, Minnesota  
Edison, New Jersey  
Holyoke, Massachusetts  
Wichita, Kansas  
Laredo, Texas  
Harlingen, Texas  
San Francisco, California  
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San Diego, California

- Call toll free 1-800-243-5176
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