

Northstar Polymers, LLC

Line Card

Northstar Polymers is a formulator and manufacturer of **polyurethane resin products**. We have been working with a diverse range of customers with many different applications by supplying of a variety of polyurethane resin products since established in 1997. This literature outlines our product range and capacity for our current and future customers. For farther inquiries, please feel free to call us at (612)721-2911 Ext 119 or send us an email at info@northstarpolymers.com. Thank you!

Products and Applications

Northstar Polymers supplies polyurethane casting resin formulation systems and raw material components. Many of our products are customized to service particular applications. We have experiences in a broad range of applications. The types of formulations we develop and produce may include:

Shore OO and OOO Hardness Range Polyurethane Gel Elastomer Formulations for:

- Encased Cushioning Pads for Medical Cushioning, General Seat Inserts, Bicycle Saddle Cover, Computer Keyboard Wrist Rests, and Other General Cushioning Applications
- PSA (Pressure Sensitive Adhesive) Sheets for General Reusable/Temporary PSA, Wall-Tack Products, Lint Remover, Etc.
- Sticky Pads for Mobile Device Holders
- Molded Padding Parts in Protective Pads for Sports and Exercising Applications
- Air Filter Gaskets for HEPA Filter Frames and Other Specialty Air Filters
- Medical Modeling of Various Body Parts
- TPE (Thermoplastic Elastomer) Alternative for Prototyping and Short Runs
- Vibration Dampening Parts
- Re-enterable potting/filling for electronic components
- ...and Many Other Custom Applications

Shore 10A to 95A Durometer Hardness Room-Temperature-Curable Formulations for:

- Low Pressure Water Tank Gaskets and Valve Seals
- Potting Compound for Printed Circuit Boards and Battery Packs
- Vibration Dampening and Impact Mitigation Parts
- Mold Making Compound for Concrete, Plaster, and Other Casting Medias
- Custom Parts for Industrial, Specialty, and Consumer Products
- Light-Duty Bumpers and Bushings
- Prototyping and Short-Run Molded Products
- ...and Many Other Custom Applications

Shore 50 D to 85 D Durometer Hardness Room-Temperature-Curable Formulations for:

- Climbing Knobs for Artificial Rock-Climbing Walls
- Molds for Recycled Paper/Pulp Packages
- Prototyping and Short-Run Molded Products
- ...and Many Other Custom Applications

Shore 75 A to Shore 60 D Durometer Hardness Polyester Based High-Performance Elastomers for:

- Industrial Protective Liners
- Heavy Duty Bumpers in Dry Conditions
- Specialty Parts that Requires Good Cut-and-Tear Resistance
- Abrasion Resistant Parts
- High Performance Parts Used in Oily Conditions
- ...and Many Other Custom Applications

Shore 70 A to Shore 55 D Durometer Hardness PTMEG Polyether Based Elastomers for:

- High-Rebound/ High-Response Parts Such as Roller Skate Wheels
- High Performance Rollers, Sprockets Etc. Requiring Very Good Hydrolytic Stability
- Abrasion Resistant Parts with Hydrolytic Stability
- Low Surface Energy (Non-Stick) Applications
- ...and Many Other Custom Applications

Open-Cell Flexible Foam Formulations for:

- Custom Seating for Furniture and Motor Cycles

- Cushioning Pads in Sporting Goods
- Archery Targets
- Manual-Batch (Hand-Batch) Molding Foam Applications
- Cast-in-Place and Space-Filling Applications
- ...and Many Other Custom Applications

Viscoelastic Foam for:

- Inserts for Cushions and Pillows
- Body Support Parts in Wheel Charis and Other Healthcare Products
- Specialty Custom Products and Consumer Products

Rigid and Structural Foam for:

- Cast-in-Place Space-Filling Applications
- Structural Enforcement for Various Parts
- Noise Reduction and Thermal Insulation Parts
- Molded Custom Parts for Specialty, Industrial, and Consumer Products
- ...and Many Other Custom Applications

Flexible Microcellular Foam for:

- High Load-Bearing Cushioning and Protective Parts
- Custom Rollers and Wheels
- Bumpers
- Floating Parts
- Vibration-Dampening Parts

Polyurea Two-Part Spray Systems for:

- Industrial Protective Coatings
- Foam Block Outer Layer Protective Coatings
- Other Custom Coating Applications

Isocyanate Prepolymer and Hydroxyl Terminated Prepolymer/TPU Products for:

- Coating and Adhesive Intermediates
- Components for Casting Resin Systems
- Moisture Curing Recycled Foam Crumbs and Other Particle Bonding Adhesives.

Isocyanate-Polyaspartic Formulas for:

- Patch, Repair, Filling, and Adhesive for Outdoor and Uncontrolled Environments

Other Isocyanate, Polyol, and Additives for:

- General Productions of Polyurethane Casting, Foaming, and Other Various Applications

Our Services

- Custom Formulation Service
- Toll Manufacturing/Blending Service
- Private Label Manufacturing
- Consultation Service

Our Customers

Northstar Polymers works with a wide range of customers looking for polyurethane raw materials. Our account base includes large multi-national corporations, product developers and designers, domestic and international manufacturing companies, engineering companies, government organizations and their contractors, as well as small start-up operations. Our specialty is to work closely with our customers to develop the best-fit formulations, and to supply raw materials for the specific applications.

Contact

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