

**PARTNER HIGHLIGHT**



**NICHE**  
POLYMER



**Niche Polymer** is amongst the leading compounders of engineering resins, alloys, and other thermoplastic materials. Our facility operates out of Ravenswood, WV and provides a full range of product development and processing services. We are equipped to compound any customer formulation regardless of size, complexity or, delivery requirement. Our facility encompasses over 400,000 sq feet of production and warehousing area, as well as silo storage facilities. The Ravenswood facility is strategically located to support our customers throughout the midwest, south, and east coast.

With over 30 years of experience, **Niche Polymer** continually invest in the most up-to-date equipment and keep current with the latest industry trends and technology. We have a wide range of capabilities in twin-screw and single-screw extruders including our two newly installed twin-screw extruders. This expansion provides us with greater flexibility and service capability and allows us to better meet our customers' needs for high-performance engineering resins and the increased demand for unique compounding projects

**PoliXL+** 

- PA6, PA66, PBT, PC, PET, PP, PPC, PPH

**Products with** specialized additives for high performance applications

**PoliXL** 

- ABS, PA6, PA612, PA66, PBT, PC, PCABS, PET, PP, PPC, PPH

**Our Standard** product line. Suitable for Automotive & a variety of other applications

**PoliPIR** 

- ABS, ASA, PPA, PA6, PA612, PA66, PBT, PC, PCABS, PCASA, PET, POMH, PPC, PPE/PS, PPH, TPEO, TPS, TPV

**Post-Industrial products** with up to 100% recycled content, aimed to add social and environmental value

**PoliSP** 

- TPEE, TPO, TPS, TPV

**Soft Polymers** for applications that require flexibility and resilience

**COMPOUNDING ABILITIES**

- Glass, talc, mica, clay, wollastonite filled compounds
- Elastomer-polyolefin blends
- Reactive extrusion
- Blends and alloys
- Solvent/monomer extraction
- Liquid injection of additives
- Foaming agent concentrates
- Cross-linkable materials
- Adhesives
- Highly filled (70-75%) concentrates-talc, calcium carbonate, mica, antimony oxide
- Polypropylene black compounded (PP)
- Polystyrene black compounded (HIPS)
- Nylon black compounded (PA)
- Polycarbonate black compounded (PC)
- ABS black compounded (ABS)
- PCABS black compounded (PCABS)

**ISO9001:2015**



We help interesting companies create and improve industry products and services through long lasting relationships.



**The best of the best.**

The most durable applications require materials that can perform under difficult conditions. PoliXL+ is manufactured with the same parameters as our standard PoliXL product line, however specialized additive packages are coupled with these products to provide specific advantages such as; UV Resistance, the ability to withstand heat and humidity exposure for extended periods of time, higher impact or tensile strengths, and faster molding cycle times.

•PA6, PA66, PBT, PC, PET, PP, PPC, PPH

**F**  
Fast Cycle

**UV**  
UV Resistance

**HR**  
Hydrolysis Resistant

**HI**  
High Impact

**FR**  
Flame Retardant



Coil Spring Seat  
PoliXL+ PA66GF50BK  
50% Fiberglass Reinforced  
Lubricated HS



EV Battery Electrical Connector  
PoliXL+ PBTGF30NFR  
30% Fiberglass Reinforced, FR



Radiator End Tank  
PoliXL+ PA66GF25BKHR  
25% Fiberglass Reinforced, Lubricated, HS, HR



Valve Cover PoliXL PA66GF35BK  
35% Fiberglass Reinforced Black  
Lubricated HS

Intake Manifold PoliXL PA6GF30BK  
30% Fiberglass Reinforced, Black,  
Lubricated, HS



Accelerator Pedal  
PoliXL PA6GF40BK  
40% Fiberglass Reinforced, Black,  
Lubricated, HS

**An Amazing Value.**

PoliXL is our standard product line that is chemically comparable to producer grade resin at a much more attractive price point. This line has several automotive approvals with Tier 1 and Tier 2 molder support. Through lean manufacturing practices, a strategic raw material procurement network, Kaizen feedstock preparation, and direct sales to customer, we are able to bring this cost savings to the end user.

**Recycled content doesn't compromise quality.**

PoliPIR is the direct result of extensive sustainability efforts. There is a growing need to introduce post industrial recycling waste back into a reusable form. We have fine tuned the art of blending post industrial waste into a homogenous form that can be combined with our PoliXL feedstock. While 10-30% increments are the most common we have produced products with as high as 100% PIR Content. These materials have gained automotive approvals and have been the subject of numerous case studies in the plastics engineering forum. Our approach is simple; manufacture everything like it is your flagship product and you will always make the best possible result.

Headlamp Housing  
PoliPIR PPHTF-3400  
40% Talc Fiberglass Reinforced



Fender Liner  
PoliPIR PPCNB-3150  
PPC, 15 Melt Index, No Break, Black



Vapor Canister  
PoliPIR PPCGF-3150  
15% Fiberglass Reinforced, Chemically  
Coupled

**We can be flexible.**

The SP product line offers a wide variety of TPE, TPEE, TPES, and TPV materials. Whether it's chemical resistance, specific durometer, colorability, temperature resistance, or overmolding, our flexible polymer line is able to suit a wide range of applications. Offering products based on both EPDM and SEBS chemistry we can find the right product for your application. Our product range stretches from a hardness of 30A to 90A offered in both blacks and naturals to meet your needs.



**GP-Materials.com**

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