

What if we could help you solve a problem, enhance quality, or improve ROI? **What if** we could help you do the impossible?



**Be curious.
Push the envelope.
Think big.**
(or small or lightweight or something completely new)

What if Bring us your problem, your sketch, or your **what if** idea for a high-performance plastic component. Bring your questions and ingenuity to the table. At Allegheny Performance Plastics, we turn **what if** into reality.



What if...

Let's Work Together

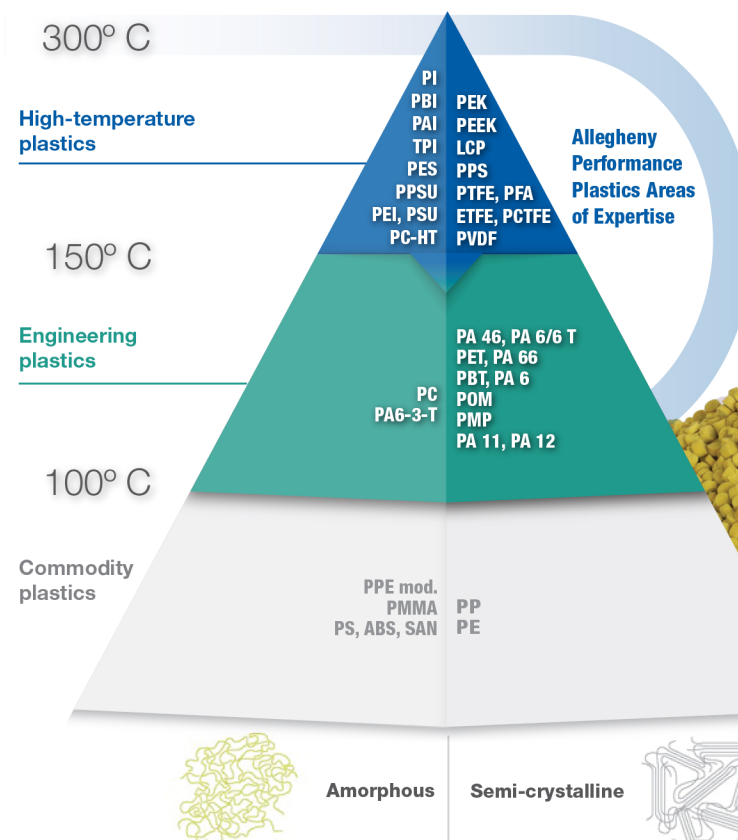
Let's work together to improve the functionality of your high-performance parts. Let's find cost-effective ways to meet demanding specifications. Let's examine a metal part and create its equal or better in plastic.

We are engineers too. We are inspired by new ideas and motivated by complex challenges. Every member of our team is focused on continuous improvement. Every inch of our shop is designed to deliver exceptional parts. And our top priority is to help you solve the engineering or manufacturing problems that have an impact on efficiency, speed-to-market, profitability, and competitive edge.

So, bring us your **what if** questions. And let's work together to discover the answers.

Top-of-the-Pyramid Plastics Expertise

We know high-end plastics. And we know how to use them to help you save space, reduce weight, minimize noise/vibration/harshness, or improve thermal properties. Bring us your specialty project with confidence.



In-house tribology

We are one of the only vendors in the world that can do lubricated friction and wear testing.

One-Stop Solution

At Allegheny Performance Plastics, everything is under one roof, from product design to production, for low- to high-volume manufacturing projects.

We employ proprietary manufacturing technology and state-of-the-art process management techniques. We apply the right people, services, and technology to meet the unique needs of each project, help you control your timeline, and ensure a smooth workflow from idea to delivery.

In-house resources include:

- Engineering
- Design
- Material selection
- Research and development
- Rapid prototyping
- Mold building
- Thermal processes
- Testing and analysis
- Quality and continuous improvement
- Injection molding
- CNC machining
- Ultrasonic welding
- Balancing
- Assembly
- Automated inspection and packaging

Thermoplastic Trailblazers

Our products can be found in some of the world's most demanding applications. We work with Fortune 500 OEMs and Tier 1 suppliers in a broad range of industries, including aerospace, automotive, defense, energy, industrial, and more.

We are able to consistently deliver exceptional parts and solve difficult problems because we approach each project with proven engineering expertise, industry-leading process and manufacturing techniques, incomparable customer service, and something more—an insatiable curiosity.

When it comes to specialty thermoplastics, we are never satisfied with the status quo. We ask our own **what if** questions every day. We work closely with plastic suppliers to understand and investigate new and emerging materials. We conduct ongoing research to test limits, explore new ideas, and become even better at what we do.

We'll bring that curiosity to your project to help meet your unique requirements.



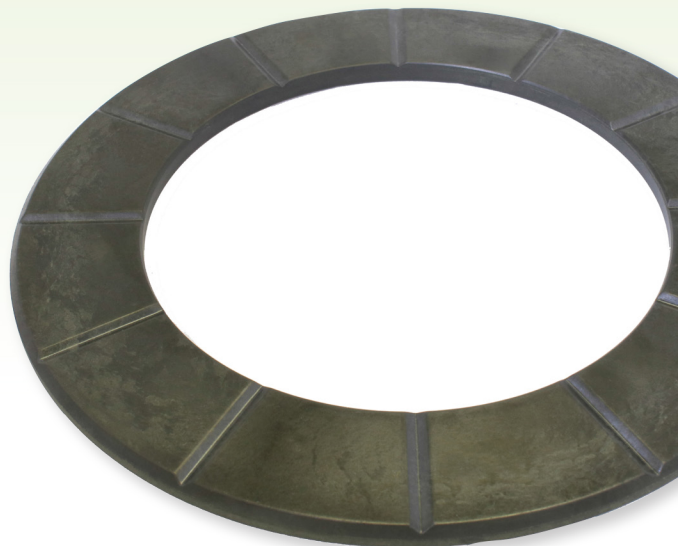
Did you know it could be made with plastic?

- High PV Thrust Bearings & Bushings
- Impellers & Fans
- Gears & Sprockets
- Sealing Rings
- Poppets
- Non-conductive Winding Supports



Certifications & Awards

- TS16949 Certified (soon to be IATF16949)
- AS9100 Certified
- ISO9001 Certified Quality System
- ITAR Registered
- UTC Certified Supplier Gold
- UTC Certified Quality Clinic
- Dedication to Six Sigma problem-solving methods; Black Belt on staff
- Dedication to scientific molding; Master Molders on staff
- Solvay-approved Torlon® PAI supplier



Contact Us

Allegheny Performance Plastics is a global supplier of technically advanced functional parts and assemblies made from high-temperature, high-performance specialty thermoplastics.

If you have a **what if** question, call us today. For more information, visit AlleghenyPerformancePlastics.com.



(412) 741-4416
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