

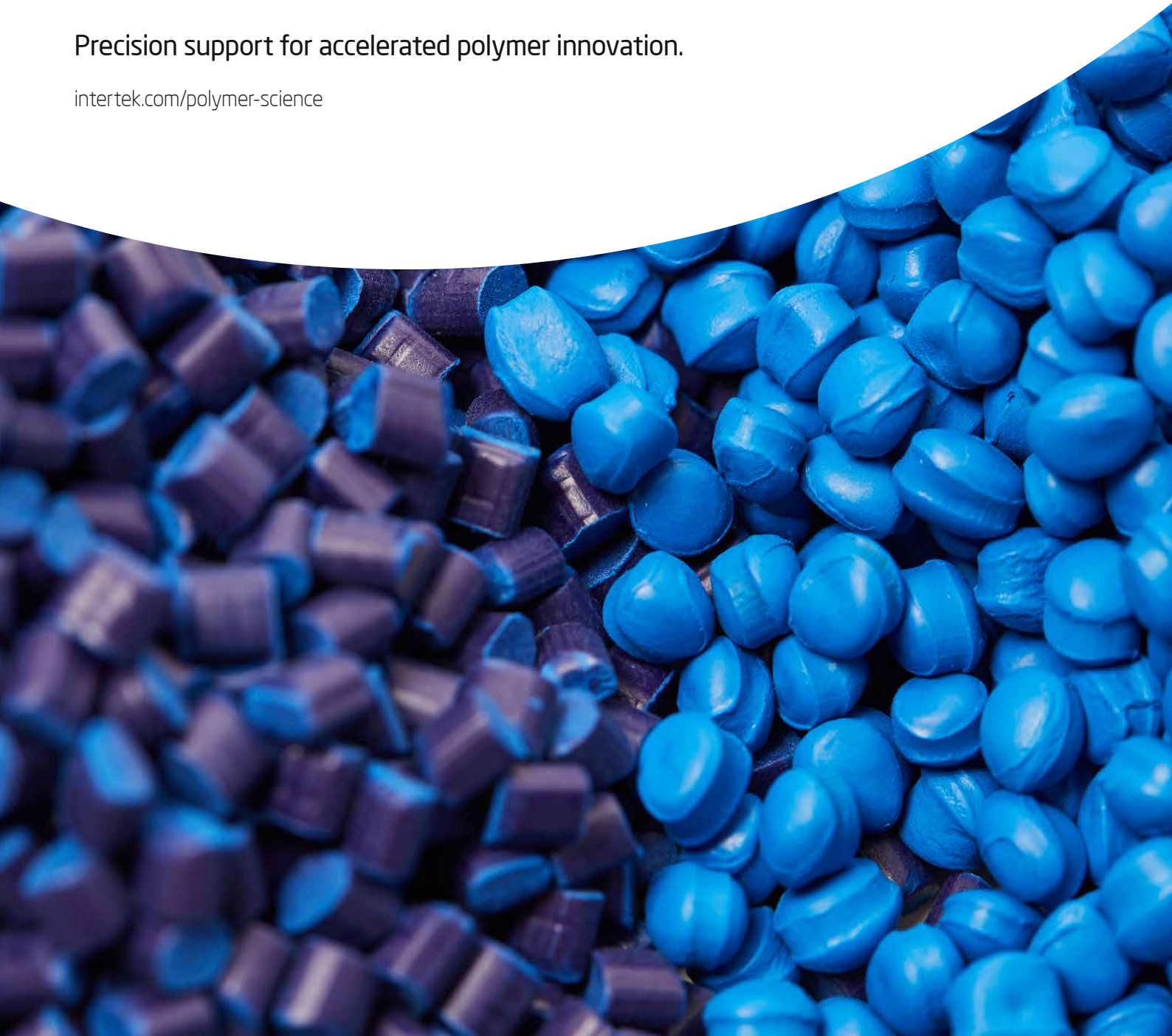


intertek polymer science

Innovation. Assured.

Precision support for accelerated polymer innovation.

intertek.com/polymer-science



Polymer Science

Global polymer expertise powering your innovation and production excellence

Challenges shaping the global polymer industry

The global polymer industry faces mounting challenges, including complex global supply chains, evolving regulations, and increasing pressure on resources. Companies must accelerate innovation while ensuring compliance, meeting complex supply chain demands, and delivering sustainable, high-performance products. At the same time, they must navigate technical complexities and develop greener, safer solutions to stay competitive in a rapidly changing market.

What if we could help you to innovate better and faster?

Polymers are essential to modern life, enhancing advancements in everything from food packaging, electronics and medical devices to transportation and renewable energy technologies. As the demand for these versatile materials continues to grow, Intertek's Polymer Science provides a unique,

Our Polymer Science solutions empower our clients to innovate, solve problems, and reduce time to market.

agile, and flexible outsourcing partnership service through a global network of expert chemists, engineers, toxicologists, and regulatory experts, across the Americas, Europe, and Asia.

A new way to shape tomorrow

Our Polymer Science solutions deliver rapid collaboration drawing on the expertise of

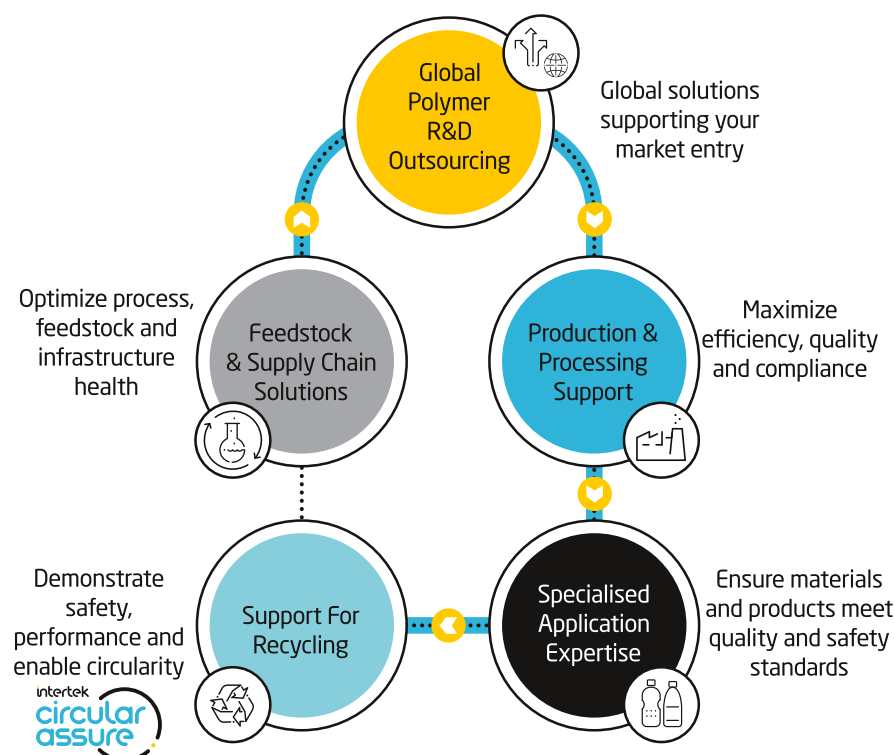
an agile team of highly skilled experts to help you accelerate innovation and reduce time to market. Polymer Science includes comprehensive support in assurance, testing, certification, and inspection solutions, helping clients navigate the technical and regulatory complexities of polymer development.

Outsourcing expertise so you can refocus on your core strategies.

With a rich legacy spanning over four decades, our scientists bring deep insight into industry trends and challenges, enabling tailored solutions for diverse supply chains' needs. By emphasizing a partnership approach, Intertek's Polymer Sciences goes beyond traditional testing, providing a global outsourcing resource of proven expertise to help streamline production efficiency, helping to reduce costs, and foster your continuous innovation.

Wherever polymers impact our lives, we can help you to shape a better future.

Precision support for accelerated polymer innovation



As a trusted global partner with expert chemists, engineers, toxicologists, and regulatory experts, we deliver seamless support across the entire polymer lifecycle. Our laboratories operate to internationally recognised quality standards, including ISO 17025, UKAS, and A2LA, giving you confidence in every result

With four decades of experience, we are a proven resource for the global polymer production and application ecosystem, backed by a strong advisory and testing footprint worldwide

From R&D, formulation, and processing through application performance, production, and quality assurance, to recycling and circularity solutions, we provide the insights and resources needed to accelerate innovation, ensure compliance, and optimise sustainability.

Building on this lifecycle expertise, we also strengthen supply chains through supplier mapping, risk assessment, and sourcing strategies that drive continuity, cost efficiency, and resilience. With additional expertise in regulatory compliance, trade impact, and traceability, our SupplyTek services uncover hidden risks and unlock opportunities to future-proof your global supply network.

This integrated, end-to-end approach enables companies to bring safer, high-quality polymer products to market faster—while driving the transition to a more circular, efficient, and resilient polymer industry.

Global polymer laboratory & consultancy support



Built on over 40 years of industry leadership, we provide agile and flexible outsourcing partnership services from our global network of chemists, engineers, toxicologists, and regulatory experts across the Americas, Europe and Asia

End-use application expertise



Boost efficiency with expert outsourcing solutions

R&D Outsourcing Supporting Your Innovation

- Refined petroleum products and petrochemicals testing
- Conventional refinery feedstocks testing
- Process health and waste water / emissions monitoring

- Global lab testing resource for R&D or ISO/ASTM compliance
- Method development and verification
- Processability testing (compounding, injection molding, extrusion)
- Compare recycled vs. virgin materials
- Risk assessment and regulatory compliance in R&D

Chemical recycling process Support

- Non-conventional refinery feedstocks
- Process health monitoring and waste water / emissions monitoring



Raw materials Cracker Monomer feedstock



Polymer production



Conversion & Processing



Materials sourcing



Chemical recycling



Mechanical recycling



Product manufacturing



End-Use Applications

Mechanical recycling process support

- Environmental impact
- Migration, NIAS, quality testing
- Toxicological assessments
- Regulatory support and TRA programs
- Biodegradation testing
- Cleaning validation / challenge test
- Material characterisation and evaluation



Packaging

Consumer Products

Aerospace

Construction

Energy

Automotive

- Migration & NIAS testing
- Toxicological assessments
- Regulatory support programs
- Biodegradation testing

- New materials and coatings testing
- VOC, weathering and degradation
- Industry specific testing expertise
- Physical, mechanical, microbiological testing

- OEM approved testing
- VOC, weathering and degradation
- Accelerated life, durability and performance testing
- Global Automotive Declarable Substance List (GADSL) and chemical regulatory support

Production & Processing Support

- Safety Data Sheets (SDS) support
- Toxicological & safety assessments
- Global regulatory notifications
- Supply chain regulatory compliance
- Supply chain management & mapping
- Batch testing/new supplier or material verification
- Tariff and trade impact analysis - SupplyTek
- Evaluate supply chain's full Total Cost of Ownership (TCO)
- Wastewater testing for PFAS, microplastics, and more
- Reduce downtime & extend asset life with risk-based asset management (Aware™)
- Prevent failures through corrosion inspection and engineering solutions
- Meet regulatory demands: advanced emissions testing

Specialised Application Expertise

- Identify and control regulated substances to protect compliance and brand reputation through testing and expert review
- Manage material degradation risks with weathering & failure studies
- Prove your eco-claims with verified carbon footprint, LCA, and compostability assessments
- Regulatory compliance across the supply chain
- Ongoing regulatory compliance monitoring supporting post-market and lifecycle management

Why outsource your polymer testing and regulatory needs?



Boost Efficiency

We help you to streamline innovation and production with expert support that removes bottlenecks.

Reduce Costs

Lower your operational expenses by eliminating the need for in-house facilities and resources.

Access Expert Knowledge

Tap into advanced technical knowledge and industry-leading polymer capabilities. Our laboratories work to ISO 17025, UKAS or AZLA and more.

Accelerate Innovation

Bring new products and services to market faster with proven processes and resources.

Focus on Core Business

Stay strategic while we support your technical, regulatory, and supply chain challenges.

Scale with Flexibility

Adapt quickly to changing demands with outsourcing solutions that grow with your business.



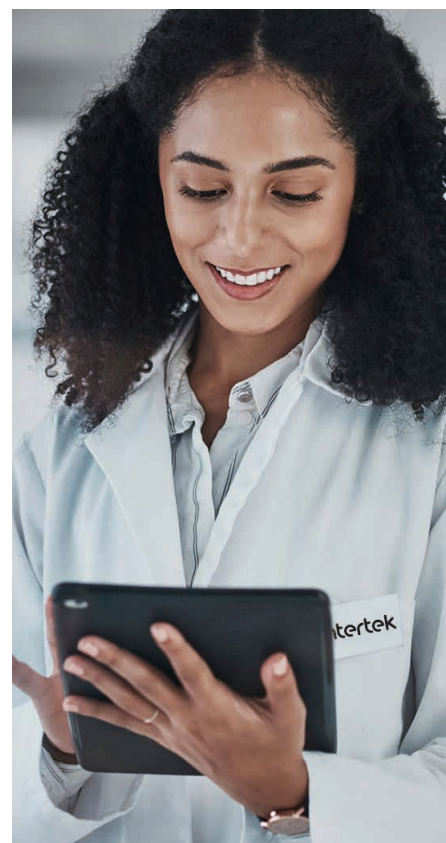
Your partner in polymer safety and compliance

Polymers play a vital role in everyday products, from food and cosmetics packaging to medical devices, toys, and consumer goods, making safety and regulatory compliance absolutely essential. As recycled polymers are increasingly used in key applications that touch our everyday lives, for example, to package our favourite drinks or personal care products, it's more important than ever to ensure every material is safe, high-quality, and fully compliant with global regulations.

That's where Intertek's Assuris team comes in. We help you use polymers safely and in full compliance with global regulations. With our deep regulatory expertise, we help you navigate complex requirements, from global polymer notifications such as U.S. PMN and EU REACH to food contact approvals and beyond. We also support your entire recycled polymer supply chain, ensuring transparency

and compliance at every stage. Furthermore, we provide risk assessment of potential leachables and extractables from polymers in medical devices, helping ensure safety and regulatory compliance. And because polymers touch so many industries, we tailor our support to meet the specific needs of each application—helping you bring safe, compliant, and trusted products to market.

With Assuris, you're not just getting regulatory guidance, you're gaining a trusted partner who's here to help you innovate with confidence, protect your brand, and stay ahead of changing global requirements.





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