



Advanced polymer optimization techniques with **ExxonMobil Signature Exxpert™ Service**

To help you get the most out of your materials and production lines, our Signature Exxperts™ can apply a set of advanced optimization techniques designed to enhance performance, improve efficiency, and unlock new capabilities for your products.

Smarter material design

We use advanced polymer design knowledge to tailor the resin's structure—helping you achieve the ideal balance of strength, flexibility, clarity, and sealing performance. This ensures the material is built to meet your application's specific needs.

High-performance layer engineering

By optimizing how layers are combined in films or parts, we can help to significantly boost functionality—whether you're aiming for better barrier protection, improved seal strength, or lighter weight structures.

Precision processing for better results

We analyze how the polymer flows and behaves on your equipment to fine tune temperatures, speeds, and cooling. This helps you run more efficiently while delivering better optics, consistency, and toughness.

Performance elevation through polymer blends

Blending different polymers can elevate performance without major changes to your process. Whether you want tougher films, clearer packaging, or better sealability, our Exxperts help create blends that deliver exactly what you need.

Enhanced formulation with additives

We incorporate specialized additives that improve slip, clarity, stability, or durability—helping your product perform better in both manufacturing and real world use.

Data-driven performance optimization

Using advanced testing and modeling tools, we identify how small adjustments in processing or formulation can unlock significant performance gains—helping ensure your product meets the highest standards.

Sustainability-focused solutions

We help you improve sustainability without compromising quality. This includes solutions for downgauging, incorporating recycled content, and designing structures that are easier to recycle*.

Why choose Signature Exxpert Service?

- Advanced technical support from experienced industry professionals
- Personalized, on-site service tailored to your operations
- Faster solutions for your most complex material, processing or application challenges
- Innovation support to help drive a competitive edge



*Designed with features intended to support recyclability. Actual recyclability depends on factors such as local collection, sortation, and recycling infrastructure, as well as the condition and configuration of the film after use. However, access to facilities that accept and process plastic film is limited and not widely available.



Bring your impossible

ExxonMobil Signature Polymers was born from the belief that people fuel progress. From automotive and construction to packaging, agriculture, industrial, and beyond, we leverage the scale and reach of ExxonMobil to deliver the insights and innovations that empower our diverse, global partners to take their businesses to new heights. We continuously work to provide the listen-first, service-driven, game-changing collaboration that unlocks opportunities for our partners and advances their business goals.



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