

Your Partner from Design to Production

In today's challenging and competitive market it is critical to bring a product to market swiftly, leveraging all available tools and support. That is why, as a trusted polymer distributor, Ultrapolymers offer comprehensive design-to-production support, providing expertise at every step, from concept to final production. Our team's in-depth knowledge of materials, manufacturing, market trends and regulatory standards empowers our customers to achieve both innovation and efficiency. Partnership is key to the success of any project.

During the design and development process Ultrapolymers can offer early stage guidance on topics such as:

- Common issues in component design,
- Design features to avoid when using certain polymers,
- Trades offs between aesthetics and mechanical performance.

When the project enters the material selection phase we:

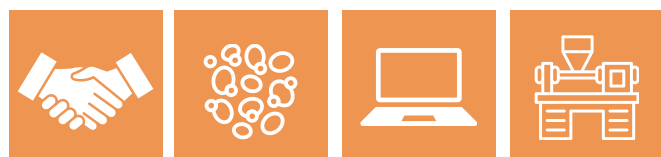
- Offer an extensive range of materials suited to a broad range of industries and demands,
- Tailored material recommendations based on project requirements, functionality, and cost-efficiency,
- Environmental requirements based upon weathering or cleaning procedures,
- Regulatory guidance to ensure materials meet local and international standards.

Using our teams experience Ultrapolymers can support our clients in Design for Manufacture (DfM), Design for Sustainability (DfS) or Design for End of Life by considering:

- Optimisation of designs for cost-effective, efficient production,
- Reduce the number of individual components,
- Streamlining the materials selection to minimise numbers used,
- Minimisation of waste and material costs through innovative DfM principles.

This experience is deployed in tandem with our Simulation Analysis tools (such as Moldex 3D) to help predict:

- Fill,
- Gas entrapment,
- Warpage and Surface Finish
- Material performance under load



Collaboration Materials Simulation Production



Once a design has been fixed and tooling begins the Ultrapolymers team can be on site with our clients to support tooling & sampling, offering:

- On site or virtual support,
- Online troubleshooting tools & courses,
- Sampling support to verify & hone a stable process for large-scale production.

Once a part has been produced there is then an importance to make a part as sustainable and cost effective as possible. Ultrapolymers can help optimise your production process by:

- Fine-tuning production parameters to increase efficiency and reduce cycle time,
- Support in implementing lean manufacturing practices for cost savings,
- Open up your process window.

Finally, our comprehensive approach to support all the way through the design to production cycle is designed to aid our customers in bringing high quality products to market with confidence.

From the initial design phase to the final stages of production, our team's support, expertise, dedication and passion for innovation form the foundation of a true partnership.

For further information, please contact us:

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Find out more about our services

