

Polymer Services

Exova provides a comprehensive range of polymer services in the development, processing, characterization and testing of polymer-based materials including plastics, coatings, adhesives, paints, elastomers, composites, sealants, gels, foams and other polymer-based materials. We help clients solve problems, innovate, improve products, demonstrate product quality and increase competitiveness.

Polymer Services include:

- Product and process R&D - including prototype design, construction and pilot manufacturing
- Comprehensive testing - including custom test method development
- Product approval and sector specific testing
- Failure analysis, deformation and contaminant analysis
- Expert witnessing and litigation support

Product and Process R&D

We have decades of experience in the development of new products and technologies drawing on Exova's breadth of technical capabilities. We can support your development activities, or take on the entire program. Our services include:

- Identification of possible solutions
- Assessment of feasibility
- Selection of optimum approach
- Design and fabrication of prototype equipment
- Formulation development and optimization
- Documentation to meet regulatory requirements
- Pilot production and technology transfer

All projects are held confidential and you own the intellectual property developed in your program. In that we offer materials-based development, our projects are not focused on a specific industrial sector. We serve clients in such diverse industries as medical devices, defense, automotive, construction and consumer products.



Polymer Failure Analysis and Deformation

Our interdisciplinary capabilities uniquely position us to help you identify the sources of product failures and contaminants. We can also help you determine the composition of products to understand how their formulation relates to performance. This family of services includes identifying your problem, consulting, and expert witnessing in support of litigation.

Routine and Custom Testing

Our worldwide network of laboratories allows us to offer testing of all types of products and materials. We offer testing to ASTM, ISO, CGSB, USP, AMMA, MIL, Aerospace, Automotive and other supplier specifications. We are also willing to set-up for almost any test, or to develop a method or apparatus to meet your specific needs.

**Testing
Advising
Assuring**

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