

Evonik to showcase latest innovations and sustainability initiatives in polymer chemistry at K 2025

October 1, 2025

- Exhibit highlights new sustainable, mass-balanced VESTAMID® and INFINAM® polymers alongside its VESTAKEEP® PEEK portfolio
- Event will feature Evonik panel discussion on how lifecycle assessments drive business development
- Evonik to present its vision for circularity in packaging and transforming plastic waste into high-quality recyclates

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Essen, Germany. Evonik is showcasing its latest sustainable solutions in polymer chemistry and initiatives for circularity in plastics at K-Fair, the world's leading event for the plastics sector, taking place from October 8 to 15 in Düsseldorf, Germany.

"The K-Fair always provides excellent opportunities to interact one-on-one with industrial users of our materials and discuss how our forward-looking innovations can help them solve their current and future challenges," said Dominic Stoerkle, head of Evonik's High Performance Polymers' Long Chain Polyamides product line. "Our versatile VESTAMID® polymer, for example, has become one of the world's most widely used polyamide 12 products for traditional, automotive line-systems. Through continued, customer-centric developments, VESTAMID® is now also a top-quality material for today's busbars and other electric-vehicle battery and charging systems."

Among the company's key future-oriented solutions on display during the K-Fair are: initiatives in circular economy and circular plastics and packaging, innovative materials for hi-tech manufacturing processes, and certified, low-carbon materials production.

Highlights include:

Recent achievements in more sustainable polymers

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With a focus on product sustainability, the company will showcase its latest polyamide 12 based **VESTAMID®** and **INFINAM®** materials, which are made using a mass-balanced certified process that reduces CO₂ emissions by up to 70 %. There will also be a panel discussion on sustainability and how lifecycle assessments drive business development and strategic decisions. Lifecycle assessments for many **VESTAMID®** and **TROGAMID®** products are publicly available on **Evonik's Plastics Database** (<https://www.plastics-database.com>).

Evonik's vision for circularity in plastics and packaging

Evonik will also showcase its contributions to plastics recycling through innovative additive solutions that transform even contaminated plastic waste into high-quality recyclates. The mechanical recycling process is optimized with products such as **TEGO® CYCLE WA 111** and **TEGO® RES 1100**, which work in tandem to effectively remove inks, packaging labels, and residues during the wet stage, ensuring the production of high-quality recyclates. Additionally, **TEGO® Antifoam KS 53** provides essential foam control to maintain process stability and safety, meeting food contact standards for sensitive applications. Evonik's **TEGO® PPA** grades also present a sustainable alternative to PFAS-based processing additives, enhancing packaging quality while reducing environmental impact.

The Evonik booth will feature demonstrations of these innovative solutions, showcasing practical applications that contribute to an economy where plastics become more circular. Additionally, the Evonik booth will feature an interactive exhibition highlighting the company's vision for circular plastics from the Next Markets Program. The vision focuses on chemical recycling and pyrolysis oil, demonstrating how Evonik's specialized solutions can effectively remove impurities to enhance storage stability and flow properties.

Robust polymers for today and tomorrow

Evonik will also present its latest **VESTAMID®** materials, which are increasingly used in advanced automotive systems such as power

busbars and battery cooling lines. Also on display are **VESTAKEEP® PEEK** materials, which Evonik continues to develop into future applications, ranging from cutting-edge medical devices to components for the automotive industry.

Innovative materials for sports shoes and consumer goods

The latest materials for sporting goods will be highlighted as well, including the company's **VESTAMID® E** elastomers, which provide low density, excellent impact strength and wide flexibility as midsoles in high-end athletic shoes. Additionally, samples of meltblown non-woven materials made from **VESTAMID®** will be on display at the Evonik booth. Used in textiles, filtration and other applications, these fleece-like materials are lightweight and possess exceptional properties when made with the latest **VESTAMID®** materials on display.

Advanced polymers for additive manufacturing

A pioneer material in polymer-based 3D printing, the latest **INFINAM® PA12** products will be on display at the Evonik booth, providing a glimpse of the enormous potential of this advanced technology for polymers.

These and more innovations will be featured at **Evonik's booth in Hall 6 / D79, from October 8 to October 15 at the Düsseldorf Exhibition Centre ("Messe Düsseldorf")**.

The panel discussion on lifecycle assessments will take place on **Friday, October 10, at 12:30 pm, in Hall 6 / C40**.

Throughout the K-Fair, Evonik's experts will also participate in other panel discussions, covering a range of topics:

Leadership panel on balancing competitiveness and sustainability on **Wednesday, October 8, at 11:15 am, in Hall 6 / C40**.

Discussion on the EU Packaging and Packaging Waste Regulation (PPWR) on **Thursday, October 9, at 11:15 am, in Hall 6 / C40**.

Women in Plastics networking event on Sunday, October 12, at 4 pm, in Hall 6 / C40.

For more information, please visit:

<https://www.evonik.com/en/events/2025/k-fair.html>

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Evonik: Leading beyond chemistry

Evonik goes beyond the boundaries of chemistry with its combination of innovative strength and leading technological expertise. The global chemical company, headquartered in Essen, Germany, is active in more than 100 countries and generated sales of €15.2 billion and earnings (adjusted EBITDA) of €2.1 billion in 2024. The common motivation of the approximately 32,000 employees: to provide customers with a decisive competitive advantage with tailor-made products and solutions as a superforce for industry, thereby improving people's lives. In all markets. Every day.

About Advanced Technologies

The Advanced Technologies segment includes Evonik's market-leading businesses that leverage technological expertise and process know-how. These businesses feature high-performance polymers and crosslinking agents, hydrogen peroxide and silica, as well as feed ingredients. In 2024, the segment generated sales of €6.1 billion with around 8,000 employees.

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