

Evonik launches sustainable liquid polybutadienes with POLYVEST® eCO

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- ISCC certification proves reduction of up to 99.9% of fossil raw materials
- Thanks to exact same quality, no implementation effort for customers
- Application as raw material for adhesives and sealants or as a liquid rubber additive in tire production

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Marl, Germany. With POLYVEST® eCO, Evonik's Coating & Adhesive Resins business line has launched a new range of sustainable liquid polybutadienes. The use of sustainably produced butadiene in the manufacture of this innovative product line has been shown to reduce the use of fossil raw materials by up to 99.9%.

With the POLYVEST® eCO range, Evonik is meeting the needs of an increasingly sustainable market: "The demand for efficient and environmentally friendly products is constantly increasing," explains Dr. Jürgen Herwig, who is responsible for the POLYVEST® business together with his team. "With the development of POLYVEST® eCO, we are supporting the transition to a circular and bioeconomy."

In their final form, the POLYVEST® eCO products have identical physiochemical properties to the fossil-based products. "The biggest advantage for our customers is that it is not necessary to adapt their existing formulations," says Dr. Sara Liébana Viñas, Head of Technical Marketing for Reactive Sealants. "There is almost no easier way for our customers to reduce CO₂ emissions."

The POLYVEST® production facility in Marl had already received ISCC PLUS certifications at the beginning of the year. This means that they are certified on the basis of the mass balance approach. This ensures stringent sustainability principles such as social responsibility and high environmental standards.

POLYVEST® eCO is used as a raw material for adhesives and sealants in the automotive, electronics, and construction

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industries. In addition, it can be used as a rubber additive in tire production.

Company information

Evonik is one of the world leaders in specialty chemicals. The company is active in more than 100 countries around the world and generated sales of €15 billion and an operating profit (adjusted EBITDA) of €2.38 billion in 2021. Evonik goes far beyond chemistry to create innovative, profitable and sustainable solutions for customers. About 33,000 employees work together for a common purpose: We want to improve life today and tomorrow.

About Smart Materials

The Smart Materials division includes businesses with innovative materials that enable resource-saving solutions and replace conventional materials. They are the smart answer to the major challenges of our time: environment, energy efficiency, urbanization, mobility and health. The Smart Materials division generated sales of €3.92 billion in 2021 with about 7,900 employees.

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