

Evonik develops sustainable amorphous poly- α -olefins for the Adhesives Industry

- Adhesive raw materials made from >90 percent biomass
- Reduction in use of fossil resources through certified mass balance process
- Further CO₂ reduction through use of green electricity

Essen/Marl, Germany.

Evonik is expanding its portfolio of amorphous poly- α -olefins for the adhesives industry to include a sustainable product range. The new products are marketed under the brand name VESTOPLAST® eCO and consist of more than 90% ISCC PLUS-certified, mass-balanced sustainable material. The use of these sustainable raw materials significantly reduces CO₂ emissions compared to the qualitatively equivalent, petrochemical-based VESTOPLAST®. By using renewable energy in production, the CO₂ footprint can be further reduced.

VESTOPLAST® is mainly used as a raw material for hotmelt adhesives applied in various industries, such as the hygiene, automotive, packaging, and wood processing branches. The biomass content of VESTOPLAST® eCO is calculated according to the mass balance method: In other words, the product is manufactured using a mix of bio-based and fossil-based resources, with the resulting physical properties identical to those of the classic portfolio.

“As a specialty chemicals company, we are taking important steps to reduce the impact of our products on the environment. With the new VESTOPLAST® eCO product portfolio, we want to reduce the use of fossil resources in the adhesives industry in favor of bio-based,” explains Roberto Vila-Keller, head of the Coating & Adhesive Resins business line. “With the mass-balancing approach, Evonik is committed to increasing the use of biomaterials and reducing customers' dependence on fossil resources.”

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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 €12.2 billion and an operating profit (adjusted EBITDA) of €1.91 billion in 2020. 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 €3.24 billion in 2020 with about 7,900 employees.

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