



Company News

Evonik doubles Production Capacity of Precipitated Silica at US Site in Charleston

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Charleston (SC), United States –

Evonik, one of the world's leading silica producers, invests in a plant expansion for precipitated silica at its site in Charleston, USA. The new line in South Carolina is satisfying the high demand in particular from the tire industry in North America and makes the supply chains of Evonik partners in the region resilient by enabling local silica sourcing.

Silica is a key ingredient for fuel-efficient tires and other products like toothpaste or coatings. The group is investing a mid-double-digit million Euro amount. The construction of the new production line is scheduled to begin in mid-2024. Operations will start in early 2026.

"North America is an important strategic growth region for us," says Maïke Schuh, Chief Financial Officer of Evonik and responsible for the Americas region. "With the investment in Charleston, we are strengthening our strategic customer-centric approach and improving our cost and sustainability position. Evonik is investing in innovative and green solutions and technologies that offer our customers superior sustainability benefits." With the new line in Charleston, the company will increase its production capacity for precipitated silica at the site by 50 percent.



Evonik operates a production facility for high-grade silica in Charleston, South Carolina. Its customers are tire manufacturers who supply the nearby automotive plants. (Picture: ©Evonik Industries AG, Frank Preuss)

“With this expansion, our state-of-the-art Charleston site becomes a major hub for precipitated and sustainable silica products in North America,” says Lauren Kjeldsen, Head of the Smart Materials Division, which includes the silica business.

Evonik has defined a clear roadmap towards carbon neutrality for its Charleston site. “The commercial and technical teams have worked intensely in the past years to develop a robust expansion concept, which we will now implement,” says Emmanuel Auer, Head of the Silica Business Line. “The expansion will contribute to meet our sustainability targets by combining the positive handprint of Evonik’s silica technologies with a low carbon footprint. It is underlining Evonik’s commitment to the Science Based Targets initiative,” says Auer.

The expansion in Charleston fulfills the need for local-to-local supply chains for tires. Moreover, the company plans to introduce circular raw materials to manufacture ULTRASIL® Silica to satisfy the sustainability targets of the tire industry.

Silica is a key ingredient for fuel-efficient tires, reducing fuel consumption by up to eight percent compared to conventional passenger car tires. In North America, the demand for tires with reduced rolling resistance and improved fuel efficiency is experiencing above-average growth.

Over the past years, Evonik has continuously invested in modern silica production updates and strategic acquisitions around the globe to further enhance the business. The Charleston facilities are part of a network of 18 precipitated silica production sites globally.

Evonik is a leading global manufacturer of silica. In addition to the precipitated silica brands ULTRASIL®, ZEODENT® and SIPERNAT®, the company also

produces fumed silica under the brand name AEROSIL® and other products for various industries worldwide.