

Sulzer supplies purification technology for BeyondPoly's Version 2.0 POE plant in China

Sulzer has delivered its DEVO™ purification technology to BeyondPoly's Version 2.0, 100,000-ton-per-year polyolefin elastomer (POE) plant in China. POE is an increasingly important material used in solar panels, electric vehicles, energy storage systems, and other advanced manufacturing applications. Sulzer's technology performs a key purification step in the production process, removing residual compounds from the material to help ensure the quality and consistency required for demanding applications.

BeyondPoly and Sulzer have signed the final acceptance certificate for the DEVO™ purification unit supplied by Sulzer. The certificate confirms that the system has been installed, tested, and is operating as intended at BeyondPoly's new POE plant. With the facility now operating at its planned production capacity, Sulzer's technology is performing a key purification step that helps ensure consistent product quality.

POE, the industrial gold

Polyolefin elastomer (POE) is a high-performance material, often referred to in Chinese media as "industrial gold", that combines the strength and processability of plastics with the elasticity and durability of rubber, but also exhibiting exceptional optical clarity thus ensuring a very high light transmittance. Thanks to these properties, it is well suited for applications that must withstand changing temperatures, mechanical stress, and long operating lifetimes, such as solar panels, electric vehicles, energy storage systems, and cables. Demand for POE has grown rapidly alongside the expansion of these industries. With a production capacity of 100,000 tons per year, BeyondPoly's new facility represents a significant addition to China's domestic supply of a key material for the country's industrial development.

"The successful ramp-up and rapid achievement of design production capacity demonstrate the value of proven devolatilization technology in large-scale POE production. We are pleased to have supported BeyondPoly in bringing this important new capacity into reliable commercial operation while achieving key objectives for product quality, process efficiency and operational stability," said Tim Schulten, Division President Chemtech at Sulzer.

"Our collaboration with Sulzer has been a seamless and rewarding experience. Their equipment delivers advanced technology and reliable performance of the leading quality, while the team's professional guidance and attentive service exceeded our expectations. We truly value this efficient and trust-based partnership", said Zhao Yongchen, General Manager of BeyondPoly.

During the production of POE, residual compounds remain in the material and must be removed before it is ready for use in demanding applications. Sulzer's DEVO™ purification technology is designed to perform this critical step while preserving the properties that make POE valuable for industrial applications. The system helps producers achieve consistent product quality, low residual volatile content, and energy-efficient operation at industrial scale. BeyondPoly selected Sulzer's solution based on its proven track record in similar applications, its ability to achieve lower residual volatile content, and its lower energy consumption compared with alternative technologies.

For Sulzer, the project represents an important reference in one of the fastest-growing polymer markets globally, and further strengthens the company's position as a trusted technology partner in the expanding POE sector.

Sulzer is a global leader in critical applications for core infrastructure and processes for large essential industries around the world. We ensure the security, quality and durability of critical goods and services by supporting energy security, natural resource management and efficiencies in process industries. This in turn supports the transition to a circular economy. Our integrated solutions add significant value by enabling energy efficiency, carbon emissions and pollution reduction, and process efficiency improvements. Customers benefit from our commitment to innovation, performance and quality through our responsive network of 160 world-class manufacturing facilities and service centers across the globe. Sulzer has been headquartered in Winterthur, Switzerland, since 1834. In 2025, our 13'500 employees delivered revenues of CHF 3.6 billion. Our shares are traded on the SIX Swiss Exchange (SIX: SUN). www.sulzer.com

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