

Syensqo pioneers innovative recycling technology for circular sulfone polymers

New proprietary processes enable infinite recycling of PSU, PPSU and PESU

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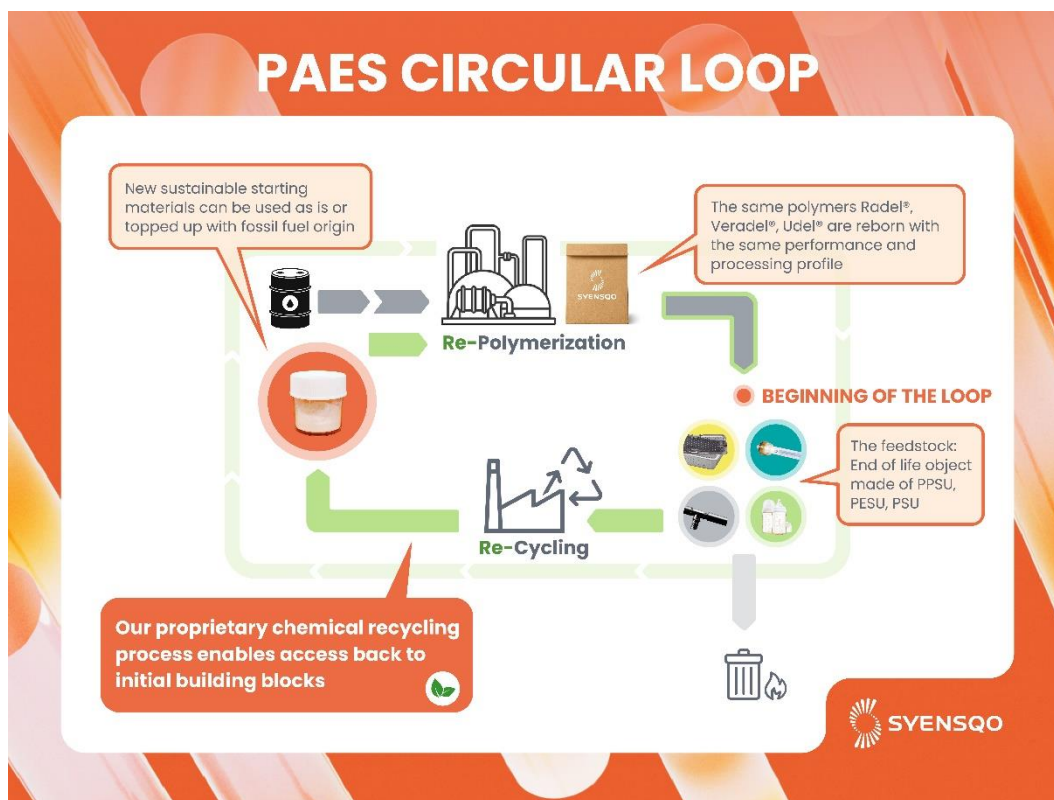
Syensqo, a leading global provider of high-performance materials and chemical solutions, has announced another breakthrough in its 60 years history of sulfone polymers innovations with the invention of a proprietary chemical recycling technology that efficiently depolymerizes sulfone polymers to obtain purified raw material monomers. This new process enables the infinite circularity of sulfone polymers, confirming Syensqo's leadership in sustainable specialty polymers.

The new technology builds on Syensqo's sustainable [ECHO](#) sulfone polymers portfolio and relies on proprietary chemical recycling processes to break down formulated polyarylethersulfone (PAES) content in post-industrial production scrap (PIR) and post-consumer parts (PCR) into monomer feedstock for reuse in new polymer products. The purified monomers can be incorporated infinitely into [Udel® PSU](#), [Radel® PPSU](#) or [Veradel® PESU](#) as well as other thermoplastics or even epoxy resin formulations without loss of performance.

"In times where circularity is increasingly crucial, we are leading the way to transform the industry with breakthrough sustainable solutions," says Floryan De Campo, Vice President of Life Solutions at Syensqo Specialty Polymers global business unit. "Our new circular PAES technology is a step forward for customers seeking to advance their sustainability goals. By enabling the recycling of sulfone polymers from both production scrap and end-of-life products, we help reduce carbon footprint and increase recycled content in a wide range of applications, from hemodialysis and water filtration to aerospace. "

By leading the transition to circularity within the PAES sector and engaging partners across the entire value chain, including collection, sorting and end-use, Syensqo is strengthening its pioneering role in life solution markets and welcomes the collaboration and support of the community in this endeavor.

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Syensqo celebrates 60 years of sulfone polymers innovation with the invention of a proprietary chemical recycling technology that efficiently depolymerizes sulfone polymers to obtain purified raw material monomers. (Photo: Syensqo, PR070)

About Syensqo

Syensqo is a science company developing groundbreaking solutions that enhance the way we live, work, travel and play. Inspired by the scientific councils which Ernest Solvay initiated in 1911, we bring great minds together to push the limits of science and innovation for the benefit of our customers, with a diverse, global team of more than 13,000 associates in 30 countries.

Our solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices and healthcare applications. Our innovation power enables us to deliver on the ambition of a circular economy and explore breakthrough technologies that advance humanity.

Learn more at www.syensqo.com.



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