

Ajedium™ PEEK film technology named 2025 Automotive News PACE Pilot Awards finalist

Showcasing advanced EV solutions at The Battery Show North America 2024

Detroit, October 1st, 2024

Syensqo, previously part of Solvay Group and a leader in advanced performance materials and chemical solutions, is proud to announce that its innovative [Ajedium™ PEEK](#) e-motor slot liners have been named a finalist for the [2025 Automotive News PACE pilot Awards](#).

“Our cutting edge technology enables more efficient, powerful, durable, lighter and sustainable electric powertrains as we collaborate with partners in the value chain to deliver innovative, environmentally responsible, and circular battery solutions,” explains Brian Baleno, Head of Marketing – Automotive at Syensqo Materials. “Our polyetheretherketone (PEEK) film has been successfully tested with 800-volt systems, demonstrating superior copper fill and heat dissipation capabilities compared to traditional aramid paper alternatives, enabling manufacturers to downsize e-motor and battery designs while eliminating the need for conventional moisture management systems.”

[Ajedium™ PEEK](#) slot liners will be showcased at The Battery Show North America 2024 from October 8 to 10 in Detroit, Michigan (Booth 6438), where Syensqo will highlight its expertise in next-generation electric vehicle solutions.

With over 20 years of experience in the battery market, Syensqo continues to demonstrate its leadership in specialty polymers, fluorine chemistry, inorganic materials, composites, and metal extraction technologies for cutting-edge next-generation battery solutions, including electrode binders, separator coatings and electrolyte ingredients.

Syensqo also continues to invest in PVDF production capacity all over the world. [Solef® polyvinylidene fluoride](#) (PVDF), a highly non-reactive thermoplastic fluoropolymer, has become the industry standard for high-performance cathode binders, maximizing energy density and extending battery life, even at high voltages. Additionally, Syensqo’s booth will highlight the new Solgain™ PVDF process technology, which enables cost-efficient dry cathode production while eliminating hazardous solvents.

Further technology and products on display from Syensqo's portfolio of advanced solutions for battery manufacturers will include [LiFSI](#) lithium salts, new [Energain](#)[®] fluorinated solvents for high-voltage electrolyte and [Cyanex](#)[®] metal extractants as well as weight-saving specialty polymers, such as [Ryton](#)[®] polyphenylene sulfide (PPS), and [Evolite](#)[®] thermoplastic composites for battery pack components and enclosures.

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PACE PILOT
2025 FINALIST

Brian Baleno, Head of Marketing Automotive at Syensqo, shows a sample of an Ajedium™ PEEK film slot liner, which was named a finalist for the 2025 Automotive News PACE Pilot Awards.

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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