



Progress beyond

Solvay Launches New Xencor™ XTreme for Battery Thermal Runaway Protection

Produced with partially bio-based content and 100% renewable electricity

Alpharetta, Georgia, USA, October 9, 2023

Solvay, a leading global supplier of specialty materials, introduces [Xencor™](#) XTreme, a new family of long glass fiber PPA solutions for battery applications requiring resistance to thermal runaway and propagation.

Xencor™ XTreme PPA LGF grades are designed to offer superior resistance to direct flame exposure at 1000°C for over 10 minutes, providing sufficient time for passengers to exit the vehicle in the event of a thermal runaway and meeting the latest global regulations in Europe, China, the United States and other countries. The materials are designed to retain an excellent level of electrical insulation after exposure to flame helping to mitigate thermal runaway in batteries. More importantly, the material has a high glass transition temperature (Tg) which enables dimensional stability of the parts under battery operating conditions.

“Xencor™ XTreme is designed for battery components such as overmolded busbars, module end plates and fixtures and extends our [broad portfolio of battery solutions](#). This unique product range gives engineers the freedom to address some of their biggest challenges in terms of safety, power density, security and lightweighting,” said Brian Baleno, Head of Marketing Automotive.

Key benefits of Xencor™ XTreme include high stiffness, strength and impact resistance, best-in-class electrical insulation with a comparative tracking index of >600 volts, and high dielectric strength.

The new Xencor™ XTreme will be on display at Solvay’s Booth 4213 in Hall B4 during the Fakuma show in Friedrichshafen, Germany.

Xencor™ is a trademark of Solvay.



Solvay Launches New Xencor™ XTreme for Battery Thermal Runaway Protection. (Photo: Solvay, PR100)

About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 22,000 employees in 61 countries, Solvay bonds people, ideas and elements to reinvent progress. The Group seeks to create sustainable shared value for all, notably through its Solvay One Planet plan crafted around three pillars: protecting the climate, preserving resources and fostering better life. The Group's innovative solutions contribute to safer, cleaner, and more sustainable products found in homes, food and consumer goods, planes, cars, batteries, smart devices, health care applications, water and air purification systems. Founded in 1863, Solvay today ranks among the world's top three companies for the vast majority of its activities and delivered net sales of €13.4 billion in 2022. Learn more at www.solvay.com.

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