

Belcor's innovative EV battery safety solution featuring Svenska Aerogel's Quartzene®: Prototypes tested at major OEMs

Belcor®, a European provider of nonwoven-based thermal and fire protection solutions, files a patent application for its technology integrating the Belcotex® fibers with Svenska Aerogels material Quartzene®. This innovation enables Belcor® to deliver remarkable results in OEM applications for electric vehicle (EV) batteries, ensuring highest battery safety and thermal management.

The Belcor® initiative has extensive expertise in high-performance nonwoven solutions for heat and fire protection of batteries and other high demanding applications. They have now developed a new solution tailored to meet the strict requirements within EV safety. Their latest advancement, Belcotex® fibers, enables precise modulation of substrate densities to meet specific requirements of battery cells. A key breakthrough in this innovation is the seamlessly incorporation of Svenska Aerogels material Quartzene® in their formulation, unlocking new levels of efficiency and versatility.

Belcor® has already taken a significant step forward by delivering prototypes integrating Svenska Aerogel's technology to leading OEMs in the EV industry, yielding highly positive results. This further strengthens their market position and confirms their readiness to support large-scale adoption.

"We are proud that Belcor® has chosen our material for its innovative battery safety solution, and the patent application underscores the strength of the innovation. The fact that the project has now reached the stage where prototype testing is being conducted with OEMs further confirms market confidence and strengthens trust in our technology," says Tor Einar Norbakk, CEO of Svenska Aerogel.

Belcor® is deeply engaged in optimizing battery performance by conducting specific tests to evaluate how substrate densities impact cell endurance. By focusing on functional testing, they're ensuring that the substrates used are aligned with the ideal pressure specifications of the cells, which is critical for achieving both durability and efficiency.

About Belcor®

Belcor® is the ideal nonwoven-based solution for thermal runaway propagation prevention, the thermal insulation of batteries and other heat and fire protection applications. Orkli, a leading wetlaid producer located in Basque country, and BELCHEM, a leading producer of high temperature resistance fibres located in Saxony, have joined forces under the Belcor® brand. They have created multiple product lines that are based on silica gel fibers, for the customised creation of the best and safest heat and fire

protection solutions. BELCHEM and Orkli are trusted partners with strong backgrounds and years of experience working together.

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About Svenska Aerogel Holding AB (publ)

Svenska Aerogel manufactures and commercializes the mesoporous material Quartzene®. Svenska Aerogel's business concept is to meet the market's need for new materials that are in line with global sustainability objectives. Quartzene® is flexible and can be tailored to different applications to add essential properties to an end product. The company's vision is to be the most valued business partner providing pioneering material solutions for a sustainable world.

Svenska Aerogel Holding AB is listed on Nasdaq First North Growth Market. Certified Adviser is FNCA.

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