

Paris la Défense, 4th March 2026

ARKEMA SHOWCASES INNOVATIVE MATERIALS AT INTERBATTERY 2026

Arkema, a global leader in specialty materials, will showcase its unique portfolio of solutions and innovations for electric vehicle (EV) and energy storage system (ESS) battery systems at Interbattery 2026, in Seoul, Korea. At the show, Arkema will highlight how innovation contributes to higher performance, safety, and sustainability in next generation batteries.

MEET OUR TEAM BOOTH C520

A GLOBAL LEADER IN LFP BATTERY TECHNOLOGY AND INNOVATIONS

Arkema has established itself as the reference supplier for materials enabling the rapid expansion of LFP cathode technology. Since 2007, Kynar® HSV 900 has become the industry's reference PVDF binder, powering more than 10 million EVs worldwide and countless Energy Storage Systems thanks to its proven reliability, processing robustness, and outstanding cycling performance. Building on this legacy, Arkema continues to expand its LFP technology platform with newly developed PVDF grades—Kynar® HSV 1200 and HSV 1400—engineered to deliver improved adhesion, lower binder loading, and higher active-material content for increased energy density. Complementing these PVDF innovations, recently introduced the Incellion™ family, which further strengthens Arkema's leadership with solutions such as Incellion™ Pr 2510 for primer coatings and Incellion™ El 3020 for water-based Silicon anodes, enhancing adhesion, conductivity, durability, and processability for next-generation LFP cells.

BEST-IN-CLASS BATTERY SEPARATOR COATING, PROVEN EXPERTISE AND NEW ADVANCED MATERIALS

Arkema also brings decades of separator coating expertise with its well-known Kynar Flex® PVDF portfolio, bringing mechanical integrity, electrolyte wettability, and outstanding thermal dimensional stability. Kynar Flex® LBG 2600 represents the latest evolution in this proven family, offering improved manufacturing efficiency allowing for lower temperature assembly. Building on this foundation, Arkema also introduced Incellion™ Sp 1252, an acrylic binder designed specifically for ceramic-coated separators. It provides exceptional mechanical strength, strong adhesion to polyolefin films, and excellent electrolyte wettability, enabling separator designs that combine high safety margins with efficient ion transport.

NEXT-GENERATION SOLUTIONS: ENABLING SEMI-SOLID AND SOLID-STATE BATTERIES AND ADVANCED DRY-PROCESS TECHNOLOGIES

Arkema is also accelerating material innovation for the next wave of battery technologies, including all-solid-state and semi-solid batteries as well as advanced dry-electrode processes. For semi-solid and solid-state architectures, Arkema is developing new generations of binder materials tailored for solid electrolytes, interface stabilization, and high-voltage cathode compatibility—key enablers for safer, higher-energy battery designs. In parallel, Arkema's breakthroughs in dry-process-capable PVDF binders support cell manufacturers seeking to reduce energy consumption, eliminate solvent recovery steps, and lower production costs. Arkema has opened a state-of the art dry coating laboratory in France, reflecting Group's commitment to pioneering sustainable & advanced solutions for next generation battery technologies.

HIGH PERFORMANCE SOLUTIONS OUTSIDE THE CELL: ELECTRICAL INSULATION, THERMAL MANAGEMENT & ASSEMBLY

Electrical Insulation

Arkema provides advanced insulating materials that reinforce safety and reliability across battery systems. Zenimid™ polyimides deliver exceptional thermal resistance and dielectric strength supporting FPCB applications in battery management systems and busbars thermal runaway protection. Rilsan® PA11 also contributes to electrical protection by providing durable, lightweight solutions for busbar insulation. In addition, Sartomer® UV-curable resins and photoinitiators ensure high breakdown strength and volume resistivity for robust cell insulation.

Thermal Management

For effective system-level heat control, Rilsan® PA11 and Rilsamid® PA12 offer proven performance in cooling lines and connectors. Complementing these materials, Bostik delivers high-performance thermal interface materials that enhance heat dissipation at module and pack level while maintaining structural stability in demanding operating conditions.

Assembly

Bostik also provides a complete range of sealing and bonding technologies designed for efficient and reliable battery assembly. This includes debond-on-demand solutions such as Primer Prep DB for controlled disassembly, high-reliability gasketing sealants for housing and pack integration, and robust 2K MMA and 2K PU structural adhesives for cell-to-module and cell-to-pack assembly. These solutions support manufacturing efficiency and long-term battery performance.

Building on its unique set of expertise in materials science, Arkema offers a portfolio of first-class technologies to address ever-growing demand for new and more sustainable materials. With the ambition to become a world leader in Specialty Materials, the Group is structured into three complementary, resilient and highly innovative segments dedicated to Specialty Materials - Adhesive Solutions, Advanced Materials, and Coating Solutions - accounting for some 85% of Group sales in 2025, and a Primary Materials segment regrouping well-positioned large scale industrial activities. Arkema offers cutting-edge technological solutions to meet the challenges of, among other things, new energies, access to water, recycling, urbanization and mobility, and fosters a permanent dialogue with all its stakeholders. The Group reported sales of around €9.1 billion in 2025 and operates in some 55 countries with 20,700 employees worldwide.

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