PRESS RELEASE

Paris La Défense, 24th February 2026

ARKEMA AT JEC WORLD 2026: LIGHTER, MORE EFFICIENT, AND SUSTAINABLE INNOVATIONS IN SPECIALTY MATERIALS
STAND U40 - HALL 5

At JEC World 2026, Arkema will unveil a series of breakthrough innovations designed to address both industrial transformation and environmental transition challenges. A boat hull component and a speed board manufactured with Elium® resins will showcase significant progress in composite circularity, while Bostik will present a solution dedicated to vehicle recycling and repair. Arkema will also highlight its 100% biobased Rilsan® Polyamide 11 for composite applications; its UDX® tapes combining carbon fibers with biobased thermoplastic polymers in sports and hydrogen storage applications. With the proven performance of Kepstan® PEKK and the exceptional thermal stability of Zenimid™ polyimides, Arkema provides a comprehensive portfolio of high-value resins for future aerospace platforms.

PIONEERING CIRCULARITY IN COMPOSITES

Arkema's Elium® resins drive the circular economy by enabling composite recycling.
Taking this commitment further, Arkema will showcase an exclusive immersive experience highlighting Arkema's contribution in boat hull recycling. This breakthrough is made possible through strategic partnerships with Composite Recycling, Groupe Beneteau, Veolia, Owens Corning, and Chomarat, transforming composite recycling into an industrial and economically viable reality.

A speed board designed to break records while embodying circularity!
The ZEPHIR project brings together major players: ALTEN, Arkema, Alpha Recyclage Composite, Evonik, the Clément Ader Institute, Neo Sailing Technologies and Zephir, around a common ambition: to push the limits of athletic performance while accelerating the emergence of truly circular composites. At the heart of this alliance, Arkema provides Elium® resin, the first recyclable thermoplastic liquid resin used in high-performance composite structures, paving the way for a new generation of infused parts combining speed, precision, and recyclability.

REVOLUTIONIZING DISASSEMBLY IN INDUSTRY AND MOBILITY

Bostik promotes Primer Prep DB, a primer designed to tackle the challenges of vehicle repair and end-of-life recycling. Developed as part of an Open Innovation strategy, this thermal activation technology enables the bonds to break, allowing components to be disassembled without damaging surrounding materials.

PUSHING THE BOUNDARIES OF HIGH PERFORMANCE AND SUSTAINABILITY

The 100% biobased Rilsan® Polyamide 11 used in the production of composites for transportation, sports, and consumer goods will be featured on the booth, along with high pressure hydrogen tank liners, illustrating the contribution of biobased materials to the hydrogen market.

Designed for applications in transportation, hydrogen storage, sports, and leisure, UDX® unidirectional carbon fiber tapes are impregnated with high-performance bio-based PA11 & PPA thermoplastic polymers. Under the European Roadthrypp program, Arkema is partnering with Air Liquide and Covess to develop a new generation of type V high pressure vessels where polyamide 11 UDX® tapes are used to integrate the liner function in the composites structure. To demonstrate the potential of UDX® tapes, a section of a high-pressure hydrogen tank will be displayed at the booth.

PREPARING THE NEXT GENERATION OF AIRPLANES AEROSTRUCTURES

Kepstan® PEKK high-performance polymer delivers exceptional mechanical strength, chemical resistance, and fire performance, enabling next-generation thermoplastic composites for aerospace structures. Its semi-crystalline architecture ensures excellent performance at elevated service temperatures, while remaining fully weldable for high-rate production. As well as other parts for aerostructure, a composites profile made by Hutchinson with Hexcel HexPly®PEKK/34%/UD194/IM7 will be exhibited at the booth.

ZENIMID™ POLYIMIDE FILMS WITH EXCEPTIONAL PROPERTIES

Zenimid™ polyimides, developed through PI Advanced Materials, offer a robust solution for composite technologies across aerospace, automotive, electronics, and industrial markets. Their core strengths include Ultra-wide thermal range: stable from nearly –270 °C to over 400 °C, exceptional dimensional control, flexibility, and durability even in extreme environments, high chemical and flame resistance, combined with strong electrical insulation properties.

Press Contact :
Anne Plaisance +33 (0)6 81 87 48 77 anne.plaisance@arkema.com