



Progress beyond

Solvay introduces a new flagship epoxy prepreg for the Aerospace Market

Superior toughness and in-plane performance, ideal for primary structures

Alpharetta, GA, October 4, 2021

Solvay has announced the launch of CYCOM® EP2190, an epoxy-based system offering outstanding toughness in thick and thin structures combined with excellent in-plane performance in hot/wet and cold/dry environments. As the company's new flagship product for aerospace primary structures, the material rivals incumbent solutions for wing and fuselage applications across most aviation market segments, including urban air mobility (UAM), private and commercial aerospace segments (sub and supersonic) to defense and rotorcraft.

"The growing customer base within the aerospace industry has a demand for composite materials that offer balanced in-plane, damage tolerance, and manufacturing performance," says Stephen Heinz, Head of Composite R&I, and adds: "We are proud to introduce CYCOM® EP2190, a versatile new prepreg developed to provide significant benefits over traditional primary structure systems and a solution that meets demand for both performance and manufacturability."

One of the strengths of the new prepreg system is its superior toughness combined with excellent hot-wet compression properties offering an ideal balance of performance. In addition, CYCOM® EP2190 offers robust manufacturing performance allowing for fabrication of parts with complex shapes using manual or automated fabrication methods. This prepreg system will enable customers to use the same material for multiple targeted applications.

CYCOM® EP2190 performance has been demonstrated during customer trials at several U.S. and European UAM, commercial jet and rotorcraft manufacturers. Product configurations include uni-directional carbon fiber grades and woven fabrics.

At a time when fast adoption and reduced certification costs are essential for innovative applications, Solvay is able to provide customers with a preliminary database of CYCOM® EP2190 followed by a full NCAMP (National Center for Advanced Materials Performance) public database of the material available in 2022.

CYCOM® is a registered trademark of Solvay.

About Solvay

Solvay is a science company whose technologies bring benefits to many aspects of daily life. With more than 23,000 employees in 64 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 roadmap crafted around three pillars: protecting the climate, preserving resources and fostering a 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 €9 billion in 2020. Solvay is listed on Euronext Brussels and Paris (SOLB). Learn more at www.solvay.com.

Press contacts

Dina Morton
+44 (0)7467 953297
dina.morton@solvay.com
Transportation Communications Manager



Follow us on Twitter @SolvayGroup