



NEWS RELEASE

Hexcel Announces NCAMP Qualification of HexPly® M91 Composite Material System

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FARNBOROUGH, England--(BUSINESS WIRE)-- Hexcel Corp. (NYSE: HXL), a global leader in advanced composites, has completed qualification of its HexPly® M91 carbon fiber-reinforced epoxy prepreg system through the National Center for Advanced Materials Performance (NCAMP), an initiative of the National Institute for Aviation Research (NIAR) at Wichita State University.

The qualification includes both unidirectional tape and plain weave fabric forms, establishing a fully characterized material system for use in primary aerospace structures and other structural applications.

"This qualification marks an important step in expanding access to high-performance composite materials across the aerospace industry," said Imad Atallah, vice president of commercial aerospace growth programs and product management for fibers, reinforcements and matrix at Hexcel. "M91 builds on proven platforms while delivering the increased performance required for future aircraft and propulsion systems."

Material allowables and supporting data have been **published in the NCAMP database**, where they are available to aerospace manufacturers to support design and certification.

The **M91 system** is designed for demanding primary structure aerospace applications. It combines an intermediate modulus carbon fiber with a toughened epoxy resin system engineered for improved structural performance. Compared with established baseline materials, the system offers enhanced tensile and compressive properties along with improved impact resistance for load-bearing structures.

NCAMP qualification provides a standardized set of material property data that can be used across the aerospace industry, from large commercial aircraft to advanced air mobility platforms. The availability of shared data enables manufacturers to reduce the time and cost associated with qualification and certification, while supporting faster development of new aircraft and propulsion programs. This approach is particularly relevant for emerging aerospace companies seeking access to proven materials without the need to generate proprietary datasets.

Hexcel has supplied M91 for use in advanced aerospace applications, such as carbon-fiber reinforced composite engine fan blades, over several years. The NCAMP qualification extends that foundation by making validated material data broadly available for use across multiple platforms and by expanding access to a higher-performance composite system for structural design.

“This achievement reflects the investment required to generate comprehensive materials data and our commitment to supporting customers with ready-to-use solutions,” said Royal Lovingfoss, NIAR Director of Materials & Processes. “With NCAMP data available, M91 is positioned for broader adoption in advanced aerospace structures.”

The qualification also reflects Hexcel's ongoing **collaboration with NIAR** and its efforts to develop, scale, validate, and expand access to advanced composite materials for the aerospace industry.

About Hexcel

Hexcel Corporation is a global leader in advanced lightweight composites technology. We provide innovative, high-performance material solutions that are lighter, stronger, and tougher, shaping a world that moves farther, smarter, and more efficiently. Our broad and unrivaled product range includes carbon fiber, specialty reinforcements, prepregs and other fiber-reinforced matrix materials, honeycomb, resins, engineered core, and composite structures for use in commercial aerospace, defense and space, and industrial applications.

About NIAR

The mission of Wichita State University's National Institute for Aviation Research is to strengthen university research capabilities; provide applied learning opportunities for students; and support the aviation and manufacturing industries while driving innovation and prosperity for the community, region and state. NIAR provides research, testing, certification and training for aviation and manufacturing technologies. Established in 1985, NIAR has a \$400 million annual budget, 2,100 personnel and over two million square feet of laboratory and office space in six locations across Wichita, Kansas, and one in Huntsville, Alabama. wichita.edu/niar

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