



Human Chemistry, Human Solutions

NEWS RELEASE

Teijin's *Tenax*[™] Carbon Fiber Prepreg Adopted for Next-Generation Aircraft Engine Nacelle

Tokyo, Japan, June 1 2021 --- [Teijin Limited](#) announced today that its *Tenax*[™] carbon fiber prepreg has been adopted for a part of nacelle, or streamlined housing, for next-generation aircraft engine to be used by Airbus. A prototype of the nacelle part, which [Nikkiso Co., Ltd.](#) is developing for [Airbus](#)'s Propulsion of Tomorrow project, will be delivered to Airbus by the end of 2021.

The *Tenax*[™] prepreg used for the nacelle part was developed especially for aircraft applications using high-performance and rapid-curing epoxy resin. Notably, the *Tenax*[™] prepreg can be molded at a lower temperature and in a shorter time than conventional prepreps for aircraft applications. In addition to general autoclave molding, the *Tenax*[™] prepreg also is suited to press molding for mass production, achieving excellent quality required for aircraft applications. Furthermore, it is compatible with automated fiber placement (AFP) therefore can be combined with automatic laminating technology and short-time molding to maximize production efficiency. The excellent productivity and cost efficiency of the *Tenax*[™] prepreg were key reasons why it was adopted for Nikkiso's nacelle.

Teijin is intensively accelerating its development of mid- to downstream applications for aircraft, one of the strategic focuses of its medium-term management plan for 2020-2022. Going forward, Teijin intends to further strengthen its carbon fiber and intermediate material businesses to contribute to increasing global sustainability, aiming to become a company that supports the society of the future.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group offering advanced solutions in the fields of environmental value; safety, security and disaster mitigation; and demographic change and increased health consciousness. Originally established as Japan's first rayon manufacturer in 1918, Teijin has evolved into a unique enterprise encompassing three core business domains: high-performance materials including aramid, carbon fibers and composites, and also resin and plastic processing, films, polyester fibers and products converting; healthcare including pharmaceuticals and home healthcare equipment for bone/joint, respiratory and cardiovascular/metabolic diseases, nursing care and pre-symptomatic healthcare; and IT including B2B solutions for medical, corporate and public systems as well as packaged software and B2C online services for

digital entertainment. Deeply committed to its stakeholders, as expressed in the brand statement “Human Chemistry, Human Solutions”, Teijin aims to be a company that supports the society of the future. The group comprises more than 170 companies and employs some 20,000 people across 20 countries worldwide. Teijin posted consolidated sales of JPY 836.5 billion (USD 7.7 billion) and total assets of JPY 1,036.4 billion (USD 9.5 billion) in the fiscal year that ended on March 31, 2021.

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