



Human Chemistry, Human Solutions

NEWS RELEASE

Teijin Starts LCA of Carbon Fiber

Tokyo, Japan, December 15, 2021 --- [Teijin Limited](#) announced today that it has started to carry out a life-cycle assessment (LCA) of its carbon fibers to calculate their total carbon emissions, an industry first.

Teijin previously calculated the carbon footprint of its carbon fibers used in sports, recreational and industrial applications and more recently its carbon fiber filaments used in aircraft applications, which will make it possible to now calculate emissions for all of its carbon fiber filament applications.

Teijin's LCA methodology has been certified by an independent third-party organization in accordance with the ISO14040 and ISO14044 standards and will provide customers with reliable emission data on Teijin's carbon fiber filaments to help them evaluate their own footprints. Teijin's LCA is useful in identifying carbon hotspots in manufacturing processes and evaluating options for emissions reduction.

Looking ahead, Teijin expects to expand its LCA scope beyond carbon fiber filaments to also include intermediate products such as short fibers and prepregs. Furthermore, in cooperation with customers such as final product manufacturers, Teijin eventually plans to evaluate the entire life cycle of its carbon fiber products.

The Teijin Group has set climate change mitigation and adaptation as one of the five materialities that it prioritizes as important societal issues. Accordingly, Teijin is striving to reduce its energy consumption and introduce renewable energy and recycling methods, among other initiatives. By further positioning its business to help realize a sustainable circular society, the Teijin Group aims to reduce its group-wide in-house carbon emissions to net-zero by 2050 as part of fulfilling its long-term vision of being 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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