



Human Chemistry, Human Solutions

## NEWS RELEASE

### Teijin Frontier Develops CO2 Emissions Calculator for Polyester Fiber

Tokyo, Japan, April 8, 2022 --- [Teijin Frontier Co., Ltd.](#), the [Teijin Group](#)'s fibers and products converting company, announced today that it has developed a proprietary system for calculating CO2 emissions generated by the company's polyester fiber production processes. Going forward, Teijin Frontier eventually expects to use the system for full lifecycle assessments of its polyester fiber products.

The new system calculates CO2 emissions based on data from the company's manufacturing bases. It also compares differences in emissions between petroleum-derived fibers and recycled fibers to quantitatively evaluate the effect. The system additionally helps to clarify which processes need to be improved to further reduce environmental loads and better measures for reducing CO2 emissions can be considered.

Teijin Frontier has already begun using the system to evaluate emissions from polyester filaments and staple fibers production, and gradually will expand the scope to include weaved and dyed textiles products. The company also plans to encourage partners to adopt the system.

Teijin Frontier, guided by its *THINK ECO*<sup>®</sup> environmental initiative, is striving to improve its environmental value, including through eco-friendly plant management and the development of greener materials and products for applications ranging from clothing to industrial materials. By implementing and further improving the newly CO2 emissions calculation system, the company expects to strengthen its contribution to the realization of circular economies.

Countries are accelerating their initiatives to achieve carbon neutrality in response to the 6th Report of the Intergovernmental Panel on Climate Change (IPCC) and the 26th UN Climate Change Conference of the Parties (COP26). It is essential that companies begin to adopt products that have low environmental impacts, including to help consumers increasingly select eco-friendly products.

#### 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.

**Press Contact**

Corporate Communications

Teijin Limited

[pr@teijin.co.jp](mailto:pr@teijin.co.jp)