

NEWS RELEASE

Teijin to Produce *Tenax*[™] Carbon Fiber from ISCC PLUS Certified Sustainable Raw Materials

Tokyo, Japan, Decenver 21, 2023 --- <u>Teijin Limited</u> announced today that it will begin production and sales of *Tenax*[™] Carbon Fiber made with sustainable acrylonitrile (AN) using waste and residue from biomass-derived products or recycled raw materials that have received ISCC PLUS certification from the <u>International Sustainability and Carbon</u> <u>Certification</u> system. The *Tenax*[™] Carbon Fiber under ISCC Plus certification will be produced at Teijin's Mishima plant in Shizuoka Prefecture, Japan, using the mass balance approach. With this method, materials are verifiably tracked through complex value chains, for example, when biomass-derived raw materials are mixed with petroleum-derived raw materials to create products.



Tenax[™] Carbon Fiber

This initiative will advance the Teijin Group's efforts to minimize the negative impact on the environment and society associated with its business activities. The company strives to protect the global environment in accordance with its long-term vision.

The sustainable AN based on ISCC PLUS certification has the same physical properties as petroleum-derived AN, $Tenax^{TM}$ Carbon Fiber based on this material delivers the same performance attributes and processing as equivalent fossil-based $Tenax^{TM}$ products. This similarity allows customers to easily drop in $Tenax^{TM}$ Carbon Fiber made with bio-based or circular materials, helping to reduce greenhouse gas (GHG) emissions throughout the product life cycle.

Teijin aims to expand its lineup of sustainable products, so the company is pursuing ISCC PLUS certification not only for carbon fiber including precursor but also for intermediate products such as prepreg and short fiber which use sustainable raw materials.Further, to strengthen production of sustainable products globally, the

company is proceeding with activities to obtain ISCC PLUS certification at overseas locations. Teijin's European facilities are expected to obtain certification in early fiscal 2024, and U.S. facilities should obtain certification during fiscal 2024.

Carbon fiber, a light and strong reinforcement material, is used in a wide range of markets, including aerospace, automotive and sporting goods. With growing pressure to reduce GHG emissions throughout the product lifecycle, the materials industry is striving to reduce the environmental impact of manufacturing processes involving carbon fiber throughout the supply chain.

Under these circumstances, Teijin has switched the fuel for in-house power generation equipment at manufacturing sites from oil fired power generation to natural gas in 2017.Additionaly,Teijin has established life cycle assessment (LCA) evaluation for carbon fiber products related to its products in 2021 and 2022. Furthermore, in June 2023, we obtained ISCC PLUS certification for *Tenax*TM Carbon Fiber and the polyacrylonitrile (PAN) precursor fiber produced at Teijin's Mishima Plant in Shizuoka Prefecture, Japan.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group with two core businesses: highperformance materials and healthcare solutions. Established in 1918 as Japan's first rayon manufacturer, Teijin today comprises some 170 companies employing 20,000 people in 20 countries. Through "Human Chemistry, Human Solutions," Teijin relentlessly strives to aims to be a company that supports the society of the future by protecting the global environment and addressing the needs of people and communities. Teijin posted consolidated sales of JPY 1,018.8 billion (USD 7.6 billion) and total assets of JPY 1,242.4 billion (USD 9.2 billion) in the fiscal year ending March 31, 2023.

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