



NEWS RELEASE

Teijin Announces Availability of DPP-Compliant Products Aligned with Europe's ESPR Environmental Regulation

Tokyo, April 10, 2025: [Teijin Limited](#) announced today that it has started rolling out initiatives to enable aramid fibers and carbon fibers to be accompanied by Digital Product Passport (DPP) technology, which enhances supply chain transparency by verifying the origins of materials and supporting sustainability claims. The company is using the supply chain traceability system from Netherlands-based [Circularise B.V.](#), in which Teijin has invested since November 2024, to develop DPPs for each product. Implementation of DPPs is being mandated by Europe's Ecodesign for Sustainable Products Regulation (ESPR). At JEC World 2025 in Paris, Teijin presented two proof-of-concept applications highlighting how DPPs enhance traceability and circularity in recycled materials use.

Through this strategic collaboration with Circularise, Teijin will gradually launch DPP-compliant products, beginning with carbon fiber materials.

The initiative underscores Teijin's leadership in the development of products that help reduce environmental impacts. It enables Teijin to comply with evolving sustainability regulations while addressing consumer demands for greater transparency.

[The ESPR, which came into force in July 2024](#), "aims to significantly improve the sustainability of products placed on the EU market by improving their circularity, energy performance, recyclability and durability," according to the European Commission. Implementation of DPPs will follow a phased approach, with full adoption expected by 2030. From 2027, a DPP will be mandatory for all industrial and electric vehicle batteries. In the future, it is expected that a basic DPP will also be mandatory for textiles and other products.

Teijin showcased at JEC World how the DPPs developed in collaboration with Circularise's product traceability platform for data management can substantiate material origin claims and improve accountability across the value chain. At the show, the company presented two proof-of-concept applications highlighting how DPP enhances material traceability and circularity.

1. Teijin Aramid Pulp from Recycled Materials

The first demonstration focused on Teijin aramid pulp made by grinding aramid fibers from recycled materials. The DPP shows a (potential) pathway of the aramid fibers from its origin to the customer Hampidjan, producer of the Terra® Sling. From the application we are able to follow the discarded slings back to Teijin Aramid where the end-of-life material can be used for the production of aramid pulp. This way we are able to illustrate a transparent and verifiable recycling process.



2. Tenax Next™ R2S P513 6mm

The second proof of concept showcased the traceability of Tenax Next™ R2S P513 6mm, a short carbon fiber product. This material is produced using post-production waste from carbon fiber filament yarn manufacturing. The DPP demonstrated how specific waste streams were reintegrated into the product.



By leveraging DPP technology, Teijin is taking a decisive step in enabling a more transparent and circular materials industry, and reinforcing its leadership in sustainable innovation.

About the Teijin Group

Teijin (TSE: 3401) is a technology-driven global group with two core businesses: high-performance 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. Teijin is committed to its Purpose, "Pioneering solutions together for a healthy planet." Teijin works together with employees and external partners to achieve its Long-Term Vision, "To be a company that supports the society of the future." Teijin posted consolidated sales of JPY 1,032.8 billion (USD 6.6 billion) and total assets of JPY 1,251.0 billion (USD 8.0 billion) in the fiscal year ending March 31, 2024.

About Circularise

Circularise is a Netherlands-based product traceability platform, established in 2016, specializing in compliance and sustainability across supply chains. With Circularise, companies can efficiently prepare for audits and meet regulatory requirements (like ESPR) and certification standards (like ISCC EU, ISCC PLUS). The platform enables end-to-end product traceability beyond tier-1 suppliers, supports digital product passports, generates audit-ready reports, and allows secure data collection, management, and sharing. Circularise's patented technology ensures sensitive information remains protected, providing both transparency and data security.

About Hampidjan

Hampidjan is a global leader in manufacturing high-performance synthetic ropes and slings for the maritime, offshore, and industrial sectors. With decades of expertise in fiber-based solutions, Hampidjan focuses on innovation, quality, and sustainability to deliver superior lifting and mooring products. For more details, visit www.hampidjan.com.

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