

NEWS RELEASE

Teijin's High-performance Materials on Display at COP26

Tokyo, Japan, November 2, 2021 --- [The Teijin Group](#) announced today that its high-performance materials used by the [Envision Racing Formula E Team](#) for all-electric-vehicle racing are being displayed at the 26th UN Climate Change Conference of the Parties (COP26), which is currently being held at the Scottish Event Campus (SEC) in Glasgow.

The world's first electric two-seater formula race car, which incorporates Teijin's *Tenax*TM carbon fiber, is on display in COP26's Blue Zone, organized by United Nations, where government officials are gathering. The vehicle was developed by the Envision Racing Team in partnership with [Johnson Matthey](#), a leader in sustainable technologies. *Tenax*TM, which combines strength, high modulus elasticity and low density, assures top mechanical performance even in high heat, design freedom and driver safety.

Also, Envision Racing's driver suits designed by [OMP Racing](#) and incorporating Teijin's meta-aramid *Teijinconex*[®] neo is on display in the Green Zone at COP26, where members of civil society, academia, art, business, etc. are gathering. The outer layer of the garment consists of an ultra-light fabric made with *Teijinconex*[®] neo to resist temperatures of up to 400°C (750°F) without burning or melting. *Teijinconex*[®] neo is produced in line with leading chemical industry environmental standards, including REACH.



Racing suit made with
Teijinconex[®] neo



World's first two-seat EV racing car
which incorporates *Tenax*TM

Teijin, which is committed to supporting the society of the future, has established long-term goals for internal net-zero emissions by fiscal 2050. The targets include reducing internal CO₂ emissions by 30% and two-thirds of total supply-chain emissions by 15% as of 2030 compared to 2018 levels.

Teijin's *Tenax*TM carbon fibers and intermediate materials are being applied in the renewable energy field, including large wind-power turbine blades, advanced aircraft

wings and hydrogen tanks. *Tenax*[™] also is used to achieve increased production speed and safety, extended design freedom and customer targets for increased sustainability.

Teijin's aramid business, which has been mechanically recycling end-of-life para-aramid *Twaron*[®] products into pulp for over 20 years, is now exploring new recycling possibilities for other aramid products. For example, it is using para-aramid yarn in recycling trials by adding recycled yarn in the spinning process. It is also working to create high-quality fiber by regenerating pre- and post-consumer meta-aramid-based materials from protective textiles. Teijin aims to build the circular performance economy by creating a circular value chain by minimizing both waste and the use of virgin materials. To achieve these ambitions, Teijin underpins three key areas: 1) reduce carbon emissions 2) set new standards for recycling all aramids, and 3) create transparent material streams for aramids.

About Envision Racing:

Owned by Envision Group, the Envision Racing Formula E Team is one of the founding and most successful outfits in the ABB FIA Formula E World Championship – the innovative electric street racing series.

The purpose-driven team has sustainability running throughout its DNA and exists for one simple purpose; to use its platform to inspire generations to tackle climate change and transition to e-mobility and renewable energy. It does this through its long-running 'Race Against Climate Change' programme and prides itself on being the 'greenest team on the greenest grid', being the first and only carbon neutral certified team (PAS 2060), one of a handful to have achieved the FIA's 3 Star Sustainability Accreditation, and the first to sign up to the UNFCCC Sports for Climate Action Framework. It is also a partner of the biggest climate event, the UN's COP26 'Together for our Planet' summit taking place in the UK in November.

On-track, the team continues to be one of the most successful ever with 11 wins and 33 podiums to its name. For the 2021/22 Formula E season, Envision Racing will see Dutchman Robin Frijns complete his fourth season with the team alongside New Zealand driver Nick Cassidy. Overseeing operations at the team's commercial headquarters in London is Managing Director Sylvain Filippi, who has been with the team since day one, together with Team & Sporting Director Leon Price and Technical Director Mike Lugg based at the team's operational arm at its state-of-the-art facilities at Silverstone. Meanwhile, Envision Group's Franz Jung continues his role as Chairman of the Board.

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