

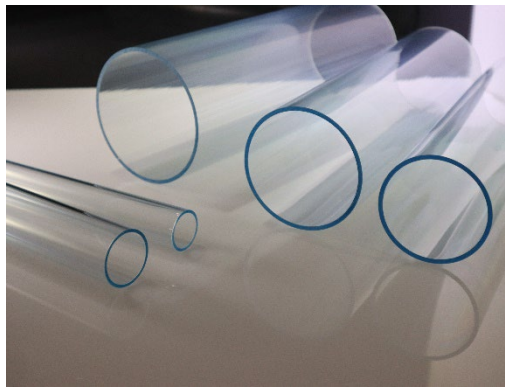
NEWS RELEASE

Teijin Group's Biomass-derived Polycarbonate Resin Pipe Adopted for Pipe Organ to Be Exhibited at Expo 2025 Osaka, Kansai, Japan

Tokyo, July 31, 2025: [Teijin Limited](#) announced today that pipes molded from its biomass-derived polycarbonate (PC) resin have been adopted for use in the world's first pipe organ made from bioplastic. The transparent pipes were manufactured by [Teiyo Co., Ltd.](#), a Teijin Group company specializing in plastic molding. This innovative pipe organ will be exhibited at the "[Reborn Challenge](#)" area within the Osaka Healthcare Pavilion during the [Expo 2025 Osaka, Kansai, Japan](#), scheduled for August 19-25.



Bioplastic pipe organ



Pipe made from biomass-derived PC resin

The bioplastic pipe organ was created by a consortium of eight plastic molding companies¹ that are participating in the "REBORN with Bioplastics" project organized by the West Japan Plastic Products Industrial Association. It serves as a symbolic demonstration of how the plastics industry's technologies and ideas can contribute to solving global environmental challenges such as climate change and marine plastic pollution.

At the request of the participating companies, the plastic pipes for the organ were manufactured by Teiyo using biomass-derived PC resin that is produced by Teijin using the mass balance approach.² In addition to the sustainability benefits of the biomass-derived PC resin, Teiyo's advanced molding technology, which enables the production of pipes in various lengths and diameters, was a key factor in their selection for the pipe organ.

Teijin Group continues to provide solutions that reduce environmental impact, aiming to become "a company that supports the future of society" as outlined in its long-term vision. Through these efforts, Teijin is committed to contributing to the realization of a sustainable society.

1. ASAHI KAKO CO., LTD./ Izumi Seisakusho Co., Ltd. / Kakuichikasei Co., Ltd.

SAKAE CO., LTD. / SAHARA Chemical Co., Ltd. / SANKYO PLUS CO., LTD.

SHOEISEIKA INDUSTRY CO., Ltd. / FUDO PLASTICS MANUFACTURING, INC.

2. Government of Japan. Roadmap for Bioplastics Introduction. January 2021. p. 10.

<https://www.env.go.jp/content/900534219.pdf>

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 150 companies employing 20,000 people. 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 revenue of JPY 1,005.5 billion and total assets of JPY 1,061.3 billion in the fiscal year ending March 31, 2025.

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