

NEWS RELEASE

Teijin Frontier Launches **OCTAIR™** High-performance Insulation Fiber with Superior Warmth and Lightweight Properties

Tokyo, October 28, 2024 — [Teijin Frontier Co., Ltd.](#), announced today that it has launched **OCTAIR™**, a new premium brand of insulation fiber for bedding and apparel. This innovative product utilizes a short-cut polyester fiber featuring a unique, hollow, 8-fin cross section with radiating protrusions. **OCTAIR™** meets growing demand for alternatives to natural feathers, which is experiencing declining production volumes and rising costs.

The company plans to expand its use across a wide range of materials. One of them is **SOLOTEX™ OCTAIR™**, an insulation material that incorporates polytrimethylene terephthalate (PTT) fibers along with **OCTAIR™** fibers. Teijin Frontier has begun domestic and international sales of **SOLOTEX™ OCTAIR™**.

Features of **SOLOTEX™ OCTAIR™**

In **SOLOTEX™ OCTAIR™** insulation, the **OCTAIR™** fibers' hollow structure with an 8-fin cross section creates air pockets that provide excellent warmth, loft and lightweight properties. As a result, **SOLOTEX™ OCTAIR™** delivers insulation performance equivalent to the same weight of down (based on tests using 30cm square mini quilts).

To enhance the **SOLOTEX™ OCTAIR™** fibers, the PTT fibers' unique helical molecular structure offers a soft texture, elasticity and good shape retention. Additionally, the tips of the fibers are soft, do not spread out easily and reduce tangling, making the blowing process for filling comforters and clothing smoother than with conventional polyester insulation.

This new insulation also offers sustainability benefits through the incorporation of plant-based raw materials.



Comforter using **SOLOTEX™ OCTAIR™** insulation

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. Through "Human Chemistry, Human Solutions," Teijin

relentlessly strives 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 1,032.8 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.

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