

NEWS RELEASE

Teijin Frontier Unveils New Extra-absorbent, Fast-drying Fabric with Diatomaceous Earth-like Surface

Tokyo, Japan, October 9, 2020 --- [Teijin Frontier Co., Ltd.](#), the [Teijin Group](#)'s fibers and products converting company, announced today an all-new high-absorption, quick-drying fabric inspired by the fine structure of diatomaceous earth used in bath mats. Teijin Frontier will begin selling its new fabric for casual wear in spring/summer 2021 collections, targeting annual sales of 50,000 meters in fiscal 2020 and a tenfold increase to 500,000 meters in fiscal 2022.



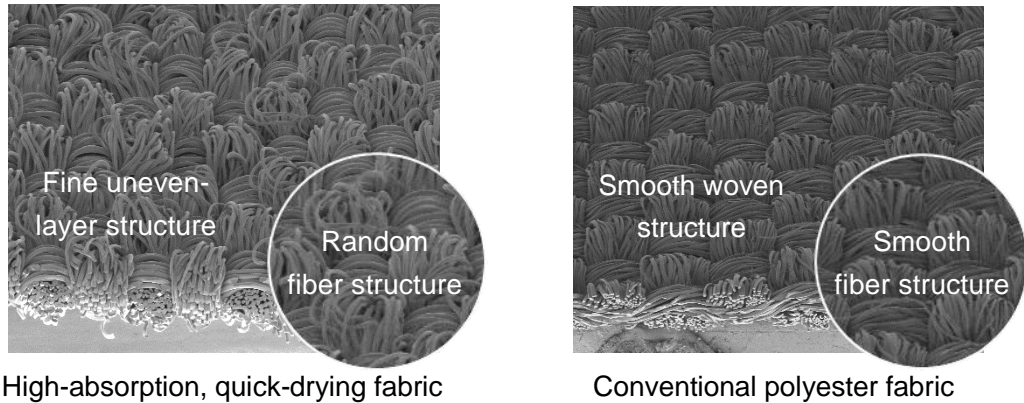
About the new fabric:

- Technology

Similar to diatomaceous earth	<ul style="list-style-type: none">- Composite yarn is processed to swell as longitudinal warp and expand and contract as transverse weft, realizing a fabric surface with a fine uneven structure.- The microporous surface structure, replicated by imitating diatomaceous earth creates interthread voids within a woven structure, using varying shrinkage in composite yarn to form convex parts.
Natural fiber-like structure	<ul style="list-style-type: none">- Natural-like appearance of fabric surface created with composite yarn made comprising random fibers of varying fineness and shrinkage.

- Structure

While conventional polyester fabrics have a smooth woven structure made with uniform fibers, the new fabric has a fine uneven structure made with random fibers.



- Fabric Features

The new fabric offers excellent water absorption and diffusion for quick drying. It also achieves a natural-like appearance and is stretchable.

High absorption and quick drying	Fabric instantly diffuses moisture, is highly absorbent and dries some 40% faster than ordinary polyester thanks to density difference of uneven layer structure, which has a diatomaceous earth-like surface and a convex part that promotes capillary action.
Washing durability	Excellent durability even after 50 washings to maintain fabric structure's water-absorption and quick-drying properties.
Natural-like look and texture, plus stretchability	Natural-like achieved with composite yarn made with random fibers of varying shrinkage. Yarn expands and contracts for moderate stretchability and soft texture. Wrinkles less than ordinary polyester.

Due to increases in double-income and single-person households, demands are rising for products that help to minimize housework, such as washing clothes. Related to this trend is the increasing popularity of easy-care attire that dries quickly after washing. Furthermore, clothing with natural-like appearances and textures have come into vogue in recent years.

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 853.7 billion (USD 8.0 billion) and total assets of JPY 1,004.2 billion (USD 9.4 billion) in the fiscal year that ended on March 31, 2020.

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