

# **Performance apparel markets: product developments and innovations, May 2020**

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## **Abstracts**

This report provides information on the latest developments in fabrics, fibres and yarns, insulation materials, laminates, performance apparel, sportswear and wearable technologies. The report includes news from the following innovative brands and other organisations: Adidas, Biomedicinsk Institut (BMI-Department of Biomedical Sciences) at Københavns Universitet (University of Copenhagen), Cocona, Danish Aerospace Company (DAC), Dyntex, Freudenberg Performance Materials, Hyosung, Lenzing Group (Lenzing), Nike, Nufabrx, Ohmatex, Puma, Sorona, Stella McCartney, Sympatex Technologies (Sympatex), Teijin Frontier, Toray Industries (Toray), W L Gore & Associates (Gore), and X-Bionic.

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### SUMMARY

### FABRICS

Dyntex has developed an ultra-lightweight performance fabric which is biodegradable and an ultra-lightweight performance fabric which is made from bio-based yarn

Lenzing has collaborated with Hyosung in the development of an environmentally sustainable fabric collection

Teijin Frontier has developed a new lightweight, soft and tear resistant fabric for use in the manufacture of sportswear and outdoor apparel

Toray has developed a new version of its Primeflex stretch fabric which contains plant-based materials and polymer derived from plastic waste

### FIBRES AND YARNS

Lenzing Group (Lenzing) has launched a new version of its Tencel Lyocell fibre with Refibra technology

Cocona will incorporate a biodegradable additive into its 37.5 technology fibres

### INSULATION MATERIALS

Freudenberg Performance Materials has launched a new biodegradable padding material as part of its comfortemp Thermal Insulation range

### LAMINATES

Sympatex Technologies (Sympatex) has expanded its range of performance laminates which can be fully recycled at the ends of their useful lives

W L Gore & Associates (Gore) has developed three new varieties of its Gore-Tex Pro waterproof breathable fabrics

### PERFORMANCE APPAREL

Nufabrx and CopperGel have collaborated in the development of apparel and accessories which relieve pain

### SPORTSWEAR

Adidas and Stella McCartney have launched a spring/summer 2020 edition of the Adidas by Stella McCartney collection

DuPont's Sorona brand has developed a stretchable ski jacket which can be fully recycled at the end of its useful life

Nike has launched a collection of yoga garments made from a new fabric called Nike Infinalon

Puma and X-Bionic have collaborated in the development of a running apparel collection

## **WEARABLE TECHNOLOGIES**

Ohmatex, Københavns Universitet (University of Copenhagen) and Danish Aerospace Company (DAC) will collaborate in the development of smart clothing for astronauts

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