

Performance Apparel Markets: Product Developments and Innovations, June 2019

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Abstracts

This report provides information on the latest developments in wearable technology, water repellent treatments, insulation materials, laminates, performance fibres and fabrics, spider silk, performance footwear, and performance apparel, including outdoor apparel, snow sports apparel and shapewear. The report includes news from the following innovative brands and other organisations: Athletic Propulsion Labs, Cifra, DuPont, Heist, HeiQ, KJUS, Kraig Biocraft Laboratories, Mountain Khakis, Myant, Polartec, Puma, Sympatex Technologies, Teijin Frontier, The North Face, Tommy Hilfiger, Unifi and W L Gore & Associates.



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SUMMARY

APPAREL COLLECTIONS

Cifra has developed a collection of insulative garments which are manufactured using its

Warp Knit Seamless (WKS) production technique

Tommy Hilfiger has developed a performance apparel collection for spring/summer 2019 called Tommy Sport

FABRICS

Polartec has developed a new insulative performance fabric called Polartec Power Air which is designed to minimise fibre shedding during wear and laundering

FIBRES

Teijin Frontier has developed a new performance fibre called Solotex Octa Unifi has developed three new types of environmentally sustainable performance fibres

FOOTWEAR

Puma has developed a new technology called Fit Intelligence (Fi) and has incorporated it into a training shoe

Shoe manufacturer Athletic Propulsion Labs (APL) has launched a new knitted running shoe which has been certified by The Woolmark Company

Sympatex Technologies has developed a new concept production process for making waterproof shoes which incorporate recycled waste materials

INSULATION MATERIALS

HeiQ has developed a new technology which is designed to improve the weight-towarmth ratio of an insulation material

LAMINATES

W L Gore & Associates has developed a new Gore Tex 3-Layer laminate



MATERIALS

The North Face has developed a new waterproof breathable material called FutureLight

OUTDOOR APPAREL

Mountain Khakis has developed a new outdoor apparel collection comprising items made using environmentally sustainable materials

SHAPEWEAR

Heist has launched a shapewear garment inspired by human connective tissue

SNOW SPORTS APPAREL

KJUS has developed a ski jacket which incorporates sweat management technology SPIDER SILK Kraig Biocraft Laboratories has developed a new modified spider silk for use in antiballistic applications

WATER REPELLENT TREATMENTS

HeiQ and DuPont have collaborated in the development of an environmentally sustainable water repellent treatment for leather

WEARABLE TECHNOLOGY

Myant has developed a polo shirt which can continuously monitor blood pressure Teijin Frontier has developed a range of smart clothing products



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