

Performance apparel markets: product developments and innovations, January 2020

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Abstracts

This report provides information on the latest developments in dyes, environmentally sustainable fabrics, fabrics, fabric technologies, fibres, insulation materials, outdoor apparel, performance apparel, protective fabrics and apparel, sportswear and wearable technology. The report includes news from the following innovative brands and other organisations: Acabada, Adidas, Archroma, Carrington Textiles, Covestro, DuPont Biomaterials, Lenzing Group (Lenzing), Parley for the Oceans, Polartec, PrimaLoft, ProGARM, RMIT University (Royal Melbourne Institute of Technology), Schoeller Textil, The Lycra Company, The North Face and Ventile.

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SUMMARY

DYES

Archroma has developed a new range of disperse dyes for use in the coloration of fabrics for activewear and sportswear

ENVIRONMENTALLY SUSTAINABLE FABRICS

DuPont Biomaterials and Lenzing Group (Lenzing) have collaborated in the development of an environmentally sustainable fabric collection
Schoeller Textil has developed a biodegradable fabric collection called Proearth

FABRICS

Ventile has developed a version of its performance fabric which is made from cotton derived from recycled waste materials

FABRIC TECHNOLOGIES

The Lycra Company has launched a new technology called Lycra FitSense on a global scale

FIBRES

Covestro has successfully developed performance stretch fibres which are derived partly from carbon dioxide (CO₂)

INSULATION MATERIALS

PrimaLoft and Parley for the Oceans have entered into a partnership to develop insulation materials which incorporate fibres derived from Ocean waste

OUTDOOR APPAREL

Adidas has developed a new range of outdoor jackets which are designed to be worn in

urban environments

The North Face has launched its first collection of outdoor apparel incorporating FutureLight waterproof breathable material

PERFORMANCE APPAREL

Polartec has commercialised a series of military issue fabrics and garments which are designed to provide protection from cold weather conditions

PROTECTIVE FABRICS AND APPAREL

Carrington Textiles has developed six new types of performance fabric for use in military and defence applications

Coats has developed a new flame resistant and heat resistant fabric called FlamePro Splash Protect

ProGARM has developed a range of socks which provide protection from electric arc flashes

SPORTSWEAR

Acabada has developed a range of sportswear garments which are infused with cannabidiol (CBD) to help aid recovery after exercise

WEARABLE TECHNOLOGY

Researchers at RMIT University have developed a method for producing waterproof, washable and stretchable supercapacitors for smart textile applications

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Figure 2: Myshelter Rain Jacket

Figure 3: CBD infused sportswear

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