

Product developments and innovations in textiles and apparel, November 2020

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Abstracts

This report analyses some of the latest developments and innovations in the global textile and apparel industry, including those relating to antiviral textiles and treatments, artificial intelligence (AI), athleisure apparel, colour management, computer-aided design and computer-aided manufacturing (CAD/CAM), cycling apparel, denim, digital printing, finishing treatments, insulation, performance fabrics, personal protective equipment (PPE), protective accessories, and sanitisation technology. The report includes news from the following innovative brands, companies and other organisations: American Eagle Outfitters, Archroma, Argar, Ascend Performance Materials (Ascend), Cifra, Craft Sportswear, Devan, Diesel, First Graphene, Garmon, Gerber Technology, HeiQ, Jeanologia, Kornit Digital, Murata Manufacturing (Murata), Pantone, Polygiene, planarTECH, P?re, Royal DSM (DSM), Sanitized, Soorty, Team Sunweb, Teijin Frontier, and Thermore.

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SUMMARY

ANTIVIRAL TEXTILES AND TREATMENTS

Argar has developed a range of antiviral fabrics for use in the manufacture of face masks and a number of other products

Diesel has been granted exclusive rights to the combined use of Polygiene's ViralOff antiviral treatment and Odor Crunch anti-odour technology for its spring/summer 2021 season denim products

ViralOff

Odor Crunch

Garmon has developed a range of protective finishes called Safe Wear

HeiQ has developed a new antiviral and antibacterial textile finishing treatment called HeiQ

Viroblock NPJ03

Polygiene has developed an antiviral treatment which is being used in the manufacture of face masks and consumer products

Two of Sanitized's treatments have been verified as being effective against viruses when applied to polyester textiles

ARTIFICIAL INTELLIGENCE (AI)

Gerber Technology has collaborated with 3DLOOK in the development of an online platform which enables consumers to try on clothes virtually

ATHLEISURE APPAREL

American Eagle Outfitters has launched a new brand called OFFL/NE by Aerie which specialises in athleisure apparel

COLOUR MANAGEMENT

Pantone has introduced 351 new colours to its Fashion, Home + Interiors (FHI) colour system

COMPUTER-AIDED DESIGN AND COMPUTER-AIDED MANUFACTURING (CAD/CAM)

Pantone has launched a digital platform which will support designers in transitioning to remote digital working

CYCLING APPAREL

Royal DSM has collaborated with Craft Sportswear and Team Sunweb in the development of a protective cycling jersey

DENIM

Archroma and Soorty have collaborated in the development of an advanced denim collection

DIGITAL PRINTING

Kornit Digital has developed a fabric softener for use in digital printing processes

FINISHING TREATMENTS

Devan has further expanded its R-Vital range of performance textile finishes

INSULATION

Thermore has expanded its Ecodown Fibers range of insulation products

PERFORMANCE FABRICS

Ascend Performance Materials (Ascend) has developed a range of antimicrobial yarns and knitted, woven and nonwoven fabrics called Acteev Protect

Murata Manufacturing (Murata) and Teijin Frontier have collaborated in the development of a piezoelectric fabric which has antimicrobial properties

Teijin Frontier has developed a performance fabric for outdoor apparel with a construction which helps to wick moisture and promote heat insulation

PERSONAL PROTECTIVE EQUIPMENT (PPE)

First Graphene and planarTECH will collaborate in the development of personal protective equipment (PPE) products treated with graphene

PROTECTIVE ACCESSORIES

Cifra has developed knitted face masks which help to provide protection from COVID-19

SANITISATION TECHNOLOGY

Jeanologia has developed sanitisation technology for textiles and footwear

P?re has developed a sanitisation technology called P?reCouture for apparel and textiles

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