

# Textiles and apparel sustainability update, August 2018

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## Abstracts

Environmental sustainability is a topic of growing importance within the global fibre, textile and apparel industry. Indeed, pressures to focus on environmental sustainability have prompted several companies to develop innovative new products and to adapt their business strategies. This report provides information on the latest product developments and business developments in relation to environmental sustainability with a particular focus on: business news; denim; dyeing processes; dyes and auxiliaries; fashion apparel and footwear; fibres and yarns; finishes; home textiles; insulation materials; nonwovens; sewing thread; and textile recycling. Furthermore, the report includes information and insight into the following innovative brands, companies and other organisations: Aizome Bedding, Aquafil, Archroma, Beaulieu Yarns, Carbios, Colorifix, Cone Denim, DyStar, Fiberactive Organics, Filippa K, Gaston Systems, Genomatica, GHCL, H&M, HanesBrands, Hugo Boss, Humanscale, I:Collect (I:CO), Indigo Mill Designs (IMD), Invista, Jeanologia, Lenzing, Levi Strauss & Co, Low & Bonar, Oeko-Tex, PrimaLoft, RotaSpray, SOEX, Tejidos Royo, The North Face, Thermore and Tonello.

## Contents

### SUMMARY

### BUSINESS NEWS

Aquafil and Genomatica have formed Project EFFECTIVE to encourage companies to produce more sustainable fibres and plastics

HanesBrands has invested in 19 Precision Application Systems to help improve the environmental sustainability of its operations

Lenzing is expanding its capacity for producing its Tencel Luxe filament yarn for luxury apparel

Levi Strauss & Co has developed a new operating model called Project F.L.X. (futureled execution)

Oeko-Tex has introduced a new test for the verification of organic cotton

Soex and I:Collect have collaborated in the opening of the first footwear recycling plant which can process all types of footwear

The North Face has launched a retail programme called The North Face Renewed

### DENIM

Cone Denim will develop denim fabrics which incorporate Refibra fibre

Lenzing and Jeanologia have collaborated in the development of a capsule collection of environmentally sustainable denim garments

### DYEING PROCESSES

DyStar and RotaSpray have successfully scaled up an environmentally sustainable spray dyeing procedure for the application of indigo dye to yarns

Gaston Systems, Indigo Mill Designs (IMD) and Tejidos Royo have collaborated in the development of a new indigo yarn dyeing technology

### DYES AND AUXILIARIES

Archroma has developed an environmentally sustainable indigo dye which is free from aniline

### FASHION APPAREL AND FOOTWEAR

Filippa K will develop apparel made from fabrics dyed using Colorifix's environmentally sustainable dyeing process

H&M has developed its 2018 H&M Conscious Exclusive collection

Hugo Boss has developed an environmentally sustainable shoe which incorporates Pi?atex nonwoven fabric

## **FIBRES AND YARNS**

Beaulieu Yarns has developed a range of environmentally sustainable yarns called EgoBalance

Invista has developed an environmentally sustainable version of its Lycra T400 fibre

## **FINISHES**

Archroma has developed a new breathable water repellent treatment called Smartrepel Hydro AM

Tonello has developed an "all in one" machine for use in the finishing of denim garments

## **HOME TEXTILES**

Aizome Bedding has developed a range of organic cotton bedding which is dyed using natural indigo dye

GHCL has developed a new collection of environmentally sustainable bedding products containing traceable fibres

Humanscale has developed a chair which incorporates mesh fabric derived from recycled fishing nets

## **INSULATION MATERIALS**

PrimaLoft has developed new insulation materials made entirely from recycled postconsumer waste

Thermore has developed a new blowable insulation product called Ecodown Fibers

## **NONWOVENS**

Low & Bonar has developed a new carpet backing product for use in the manufacture of environmentally sustainable carpets

## **SEWING THREAD**

Fiberactive Organics has developed an organic cotton sewing thread

## **TEXTILE RECYCLING**

Carbios has developed a new process for recycling polyethylene terephthalate (PET) polyester fibres

## List Of Figures

### LIST OF FIGURES

Figure 1: Garments from the Blues and Hues capsule collection

Figure 2: Dress incorporating Econyl from the 2018 H&M Conscious Exclusive collection

Figure 3: BOSS shoes incorporating Pi?atex

Figure 4: Manufacturing process for EqoBalance yarn

Figure 5: Jeans made with Lycra T400 fiber with EcoMade technology

Figure 6: Smart Ocean chair

Figure 7: Ecodown Fibers

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