

# Technical textile markets: product developments and innovations, August 2018

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# **Abstracts**

This report provides information on the latest developments in composites, fibres for composites, finishing treatments, medical textiles, nonwovens, performance fabrics and protective fabrics. Also, the report includes information and analysis relating to the following innovative companies and other organisations: Avgol, Beaulieu Fibres International, Chomarat, Devan Chemicals, Heathcoat Fabrics, HeiQ, Massachusetts Institute of Technology (MIT), Microban International, Porcher Industries, Solvay and Toray Industries (Toray).



# **Contents**

#### SUMMARY

#### **COMPOSITES**

Chomarat has expanded its range of C-Tape carbon fibre tapes Solvay has developed a new carbon fibre composite tape for use in oil and gas applications

#### FIBRES FOR COMPOSITES

Beaulieu Fibres International has developed a bonding fibre which improves the performance properties of automotive composite components

#### FINISHING TREATMENTS

Devan Chemicals has developed a new temperature regulating finish called Moov&Cool and a treatment called Purissimo which helps to keep textiles free from allergens shed by cats and dogs

Moov&Cool

Purissimo

HeiQ has developed a new temperature control treatment called HeiQ Adaptive AC-06 Microban International has developed a new odour control treatment called Scentry Revive

#### **MEDICAL TEXTILES**

Researchers at Massachusetts Institute of Technology (MIT) have developed a compression bandage which incorporates photonic fibres and changes colour to indicate the level of pressure exerted on the wearer

Toray Industries has developed a fibre adsorbent for use in the purification of blood

#### **NONWOVENS**

Avgol has developed a new antimicrobial technology called beneFIT Control for incorporation into nonwoven fabrics and has developed a new process called Waveform 3D for the modification of nonwoven fabrics beneFIT Control

Waveform 3D



# **PERFORMANCE FABRICS**

Heathcoat Fabrics has developed a new aramid fabric for military applications

## **PROTECTIVE FABRICS**

Porcher Industries has developed a new protective fabric for defence applications



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