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Press release

Innovation: Freudenberg Performance Materials launches a 3D version of the Evolon microfilament fabric

Colmar, May 28th, 2015. Evolon, Freudenberg's microfilament fabric, is traditionally known for its very distinctive qualities of being smooth, soft and uniform. Combining a top-of-the-range look with its fabric feel and its great mechanical resistance, Evolon has succeeded in replacing traditional textiles in areas such as bedding, decoration or even acoustics.

Today, Freudenberg Performance Materials is inventing Evolon 3D. Its surface has increased in volume and become more refined, paving the way for other possible applications.

Thanks to a specific process integrated into the Evolon production line, water jets - already used to bind the material and generate the microfilaments – model the fabric's structure on standard designs or on designs adapted to the specific needs of certain clients.

Evolon 3D preserves the high performance of original Evolon, while increasing its bulkiness and volume and by taking on a feel and a look that are even more like fabric.

Like the original Evolon, Evolon 3D can be washed again and again without losing its structure. It can be used white or dyed in

colours of the client's choice. Transfer printing multiplies the possibilities for design and personalization and also produces very good results on Evolon 3D.

A multi-purpose innovation

The applications are many and varied. In the ultra-light category (as low as 30g/m²), the 3D structure reinforces the uniformity of the microfilaments and increases ease of handling, making it possible to supply 3D microfilament wipes which are 1.5 to 2 times lighter than the lightweight wipes traditionally obtained using competing processes. Like the original Evolon, these 3D wipes offer the best cleaning performance in their category thanks to the fineness and density of the microfilaments. In addition, in its 100g/m² version, Evolon 3D enables a new generation of sports towels to be produced, just as ultra-compact, lightweight and effective, but with a traditional fabric look that consumers are used to, such as honeycomb or other patterns. Lastly, Evolon 3D will provide inspiration to designers who will be able to use the material in decoration, where Evolon is already valued for its matt look, lightness, ease of handling and its acoustic properties, among others.

In keeping with Evolon's clean production – free of solvents and chemical binders and with a minimum of production stages – the Evolon 3D structure is achieved without post-treatment and without the addition of chemicals.

Evolon fabrics are certified Oeko-Tex Standard 100 Product Class I. The Freudenberg Evolon production facility is certified ISO 9001, ISO 14001, OHSAS 18001 and ISO 50001.

Pictures: Evolon 3D in white and several dyed and printed examples.

About Freudenberg Performance Materials

Freudenberg Performance Materials is a leading global supplier of innovative performance materials offering differentiated value propositions to a broad range of markets and applications such as Automotive Interiors, Apparel, Building Materials, Hygiene, Medical, Shoe Components and Specialties. The company generates sales of over €900 million and has more than 20 manufacturing sites in 14 countries and more than 3.800 associates. Freudenberg Performance Materials has many years of experience in technical textiles and applications. The company attaches great importance to social and ecological responsibility. The company is part of the Freudenberg Group. In 2014, the Freudenberg Group with its Seals and Vibration Control Technology, Nonwovens, Filtration, Household Products, Specialties and Others Business Areas generated sales of more than € 7 billion (including pro-rata consolidation of our 50:50 joint ventures) and employed more than 40,000 people in around 60 countries.

For further information please go to www.freudenberg-pm.com

About Freudenberg Evolon

Freudenberg Evolon is part of Freudenberg Performance Materials. The headquarter and manufacturing of Freudenberg Evolon are located in Colmar, France. Freudenberg Evolon manufactures Evolon microfilament products using a unique, worldwide patented, textile manufacturing process.