

www.wtin.com

Innovation in **Technical Textiles** from R&D to market

future textiles

Medtech Special Edition

Vital signs

Boosting patient care
with smart textiles



UMORFIL launches new revolution in Nylon 6

The functional fibre brand is building on the success of its collagen amino acid Beauty Fiber with UMORFIL N6U, which it will introduce at the autumn edition of Première Vision Paris

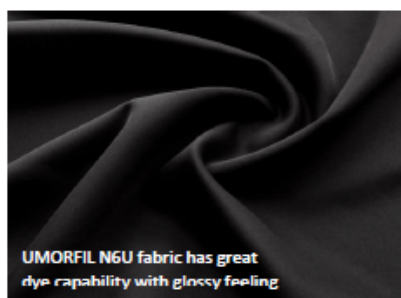
Taiwanese-headquartered company Camangi Corp made its mark on the functional textiles scene when it launched UMORFIL Beauty Fiber back in 2012. UMORFIL offers both advanced moisture management and exceptional softness thanks to its use of collagen peptides from fish scales, which are bonded together with viscose fibre using biotechnology.

Following the success of UMORFIL, not just in Asia but also in Europe and the US, Camangi Corp has now introduced a new bionic material based on UMORFIL technology, named UMORFIL N6U.

Nylon 6 (or Nylon 6.6 as it's also referred to) is renowned for its unique features in relation to dye capability and structure. Camangi Corp took the formula of UMORFIL (amino acid extracted from recycled fish scales) and combined it with Nylon 6 to produce a skin-friendly bionic material with great deep dye capability/excellent colour fastness and performance properties; some of which include odour control and higher moisture rate compared to regular Nylon 6.

Sustainable solution

Increasing consumer demand for more sustainable products has presented a challenge to traditional nylon in recent years. Despite its durable and robust properties, nylon is not biodegradable, and its production is known to generate a number of hazardous chemicals while, at the same time, using up large amounts of water and energy; creating long-term problems for the environment.



UMORFIL therefore saw this as an opportunity to create a new level of nylon material that would meet current sustainability standards without compromising on comfort and performance. Despite there being many ways of achieving comfortable fabrics during dye and finishing procedures (e.g. through the use of auxiliary chemicals), the brand says that "nothing can compare with the natural hand feel and functions that original material provides – this is the benefit of UMORFIL N6U."

It adds that: "UMORFIL N6U can not only bring comfort, but also bionic features which can imitate protein fibre to provide a natural feel and functionality." The application is said to be very suitable for yoga, innerwear and ready-to-wear apparel.

According to the brand, it is simple to replace current Nylon 6 or 6.6 with UMORFIL N6U based on the same fabric design and structure. The only difference is that the new product brings more premium and competitive benefits, while being good for the environment. Thanks to its high deep dyeability in low temperatures, the production of UMORFIL N6U produces



lower carbon emissions. The N6U product is now being manufactured by the Taiwanese-based company Zig Sheng Industrial Co, Ltd. Janis Lee, marketing director of UMORFIL, said: "This new innovative Nylon 6 by UMORFIL technology can bring something new to the market. We look forward to discussing its benefits in more detail at Première Vision."

Held twice a year at Paris-Nord Villepinte, Première Vision (PV) brings together materials and services to the global fashion industry, including yarns, fabrics, leather, designs, accessories and manufacturing. Held on 19-21 September 2017, PV is expected to welcome around 60,000 industry professionals from over 120 countries to share ideas, do business, work and build their new collections. UMORFIL will be exhibiting on Booth 6F52.

www.umorfil.com
www.premierevision.com