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Italy : Filature Miroglio switches to Newlife platform

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Filature Miroglio has announced that it is switching all of its virgin polyester filament yarns to Newlife, a technologically innovative certified yarn platform whose comprehensive sourcing and production approach is based on exclusive horizontal partnerships and processes all made entirely in Italy.

- Newlife, a unique, complete and certified system of recycled polyester filament yarns coming 100% from postconsumer bottles sourced in Italy, will substitute all the company's virgin polyester filament yarns by 2015. On the occasion of Techtextil, Filature Miroglio will also display the latest innovation in the Newlife range: Pruvf.

- Pruvf recycled polyester filament yarns provide permanent UV-resistance performances, this makes them ideal to produce fabrics for curtains and outdoor coverings.

The announcement will take place at Techtextil, Hall 3.1, stand G 59 M, Frankfurt, May 24-26, 2011 where Filature Miroglio will also present Newlife as its key marketing story for the future together with Newlife's applications and performance qualities. One of these applications is Pruvf, the latest innovation in the Newlife range.

Pruvf recycled polyester filament yarns are resistant to photodegradation, they provide permanent UV-resistance performances. This property is intrinsic to the yarn and acts by protecting the integrity of the polymer chain from solar radiation thus allowing the yarn to maintain an high degree of tenacity even after 1500 hours of continuous exposure to light (ISO 105 B04). Such property makes them ideal to produce fabrics for curtains and outdoor coverings.

As they are mass-dyed yarns, in addition to the already existing colour palette, Filature Miroglio offers the opportunity of more colours upon request. In addition, dyeing the polymer already in the spinning stage avoids wasting water, with 10 litres of water per 1 kg of yarn used in the traditional yarn or fabric dyeing process. The recycled polyester yarns dyeing cycle and output is exactly the same as standard polyester yarn thanks to Filature Miroglio's research into and development of the dyeing process.

"The switch to Newlife for all of our polyester filament yarn products is simply good business sense," says Dr. Stefano Cochis, Business Unit Director of Filature Miroglio and the creator of Newlife. "Newlife is an incredibly flexible platform that allows for a vast number of applications and performance with levels of quality at least equal to virgin polyester equivalents, but with considerable resource and cost savings for the environment."

The exclusivity of the technology used in the creation of Newlife springs from a partnership approach which can be summarized as follows:

Newlife exclusive partnerships and production processes:

1. Demap: Italian company whose role is to source selected postconsumer bottles from waste recycling bins located in the north of Italy.
2. Dentis: Italian company that collects the selected material from Demap and through a mechanical (not chemical) process, converts it into a polyester polymer made entirely of recycled bottles, suitable for Filature Miroglio's spinning process.
3. Filature Miroglio uses all its 30 years experience, technological know-how and research commitment to transform Dentis polymer into a range of ultra high quality and performance recycled polyester filament yarns – Newlife - suitable for a wide variety of applications and with the same level of performance and quality of yarns made with virgin polyester.
4. The entire process is OekoTex certified and has also obtained the Plastica Seconda Vita trademark issued by the Istituto Italiano dei Plastici (I.I.P.)

As explained, Newlife yarns are fully derived from recycled post-consumption plastic bottles using a mechanical process and certified as 100% made in Italy along the whole supply chain. The chain is therefore completely traceable.

Newlife offers tangible sustainable benefits. Thirty 1.5lt PET bottles are needed to produce 1kg of Newlife yarn, that saves 2.4 Tons of plastic from going to waste dumps for each ton of Newlife produced. Using current Filature Miroglio numbers and imagining the switch had already occurred, Newlife would avoid the waste of 72,000 tons of plastic, save 1,308,000.000 litres of water and 90,000 tons of Co2 over three years.

The Newlife range includes POY, flat, textured, microfibre and hollow section yarns for a wide variety of applications such as fashion, sportswear, outdoor, furnishing, contract and accident prevention textiles, to name but a few. Newlife also comes in a wide range of counts that reflect technical and environmental performance and always meet targeted application expectations.

Newlife is already making its first steps as an industry leading range for both its performance, sustainable credentials, and certified proprietary process, and a number of development projects are underway with industry-leading fashion and design brands.



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