

Sustainability, innovation and performance drive new developments for sports applications at polyamide specialist Nurel

Polyamide specialist Nurel will be exhibiting at Performance Days for the first time and presenting its innovative line-up of performance fibres including its offering in sustainable nylon along with functional and comfort-enhancing fibres.

Based in Zaragoza, Spain, polyamide manufacturer Nurel recently celebrated its 50th anniversary. The company invests heavily in research and development to provide a steady stream of innovative fibres designed for next-to-skin applications in polyamide 6 and 66. Sustainability is key element of its core strategy and concerns both its operations, fully powered by renewable energies, and its product line, which includes a 100% recycled nylon. Three main ranges will be on display at Performance Days, May 8 and 9, 2019.

Reco Nylon

The result of its zero-waste policy, Nurel recovers all the industrial waste it generates to recycle it into new polymer and fibre. This has enabled the company to develop Reco Nylon, a 100% recycled Nylon 6 yarn made from reclaimed material from its own manufacturing operations and from those of its clients. It is certified GRS and meets the fair labour and environmental impact requirements of this widely recognised standard. Reco Nylon is available in a range spanning 22 to 78 dtex and in flat and textured formats.

Novarel Technology

The cosmetic nylon fibres developed by Nurel are based on a proprietary patented technology for the microencapsulation of active principles, which is radically different from other processes. The company produces its own actives that are encapsulated into very resistant microcapsules that are porous and inert. These are then incorporated into fibres. During garment use, the cosmetic principles are released, providing benefits to the skin. The range of actives includes aloe vera (moisturising), sweet almond and rose hip oils (nourishing), minerals (hydration and energy feel), Q10 enzyme (skin elasticity, firmness), among others. Their properties have been validated by in vivo testing and clinical tests by third party organisations.

Nurel Sport

Nurel's polyamide fibres developed for sports applications address the diverse needs of athletes. XTRA-DRY offers improved moisture management thanks to a special cross-section. XTRA-COOL delivers advanced thermal regulation due to a

combination of a hollow core and a special cross-section. Also a hollow-core fibre, XTRA-THERMIC is 20% lighter than a conventional nylon and will insulate the wearer for next-to-skin applications. XTRA-FRESH has antibacterial properties based on silver ions. Minerals Sport combines Novarel Minerals with XTRA-COOL to lower body temperature (tests confirm a reduction in body temperature by 2-3°C after training).

About Nurel

Nurel is a European polymer and fibre producer based in Zaragoza, Spain, with over five decades of production expertise and with a strategic business focus on innovation and excellence. Its integrated manufacturing facilities use 100% renewable energy sources (wind, solar and cogeneration). The nylon manufacturer, which is totally integrated, supports the future of the European textile industry. The company is certified ISO 14.001 and 50.001.

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