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## **Lenzing Fiber Identification System guarantees traceability of LENZING™ FR fibers in protective wear**

- Lenzing Fiber Identification System can identify LENZING™ FR fibers in protective garments at every stage of production
- Based on Lenzing's 45 years of experience in the innovation of cellulosic flame resistant fibers, LENZING™ FR fibers are produced with a significantly lower carbon footprint than generic modal fibers
- Lenzing to showcase industry's first firefighter protective garment that focuses on circularity at the A+A trade fair

**Lenzing** – Lenzing Group, a leading global producer of wood-based specialty fibers, is addressing the increasing need for material transparency and traceability in protective wear by utilizing the Lenzing Fiber Identification System for LENZING™ FR (flame resistant) cellulosic fibers. The system, which can identify LENZING™ FR fibers at every stage of production, guarantees unparalleled traceability, quality assurance, and trust in protective garments. Lenzing is also continuing its solid efforts in reducing carbon emissions by ensuring LENZING™ FR protective wear made from modal-based fibers set a new standard in responsible production processes. Carbon neutral LENZING™ FR fibers, certified by ClimatePartner, are also available to address growing sustainability needs in the industry.

“The growing demand for supply chain transparency among industry partners and consumers highlights the vital role of technology, like the Lenzing Fiber Identification System, has in guaranteeing the authenticity of LENZING™ FR fibers used in protective wear. This technology is becoming more important in today's industry landscape, as material traceability and supply chain transparency will gradually become essential requirements in public and private procurement processes,” said Oliver Spöcker, Director Workwear & Protective Wear, Lenzing. “With over 45 years of industry experience in FR cellulosic fiber production, Lenzing provides high quality FR cellulosic fibers that deliver superior protection and durability through our extensive fiber portfolio. Thanks to our Fiber Identification System and industry know-how, we can ensure that authentic ingredients used in protective garments can provide the optimal protection required in accordance to relevant industry requirements.”

### **Fiber Identification System boosts confidence in supply chain**

LENZING™ FR fibers are manufactured using renewable raw material wood sourced from controlled and certified forests in Austria and Central Europe in accordance with the stringent guidelines of the Lenzing Wood and Pulp policy. As one of the world's oldest and most experienced companies in the industry, Lenzing is an enabler of supply chain transparency by ensuring traceability of Lenzing's cellulosic fibers. The Lenzing Fiber Identification System can identify LENZING™ FR fibers at every stage of production, providing quality control and authenticity assurance. The system provides value chain partners with peace of mind that genuine, premium Lenzing fibers are used, enhancing their confidence in the supply chain. LENZING™ FR fibers are available with FSC or PEFC certification upon request and have been granted BioPreferred designation by the United States Department of Agriculture (USDA).

### **Prioritizing reduction of carbon emissions during production processes**

LENZING™ FR fibers are produced using a fully integrated production process that uses more than 83% of renewable energy, resulting in 80% lower greenhouse gas emissions than generic modal fibers<sup>1</sup>. Carbon neutral LENZING™ FR fibers<sup>2</sup>, certified by ClimatePartner, are also available as an option for value chain partners who are keen on reducing their carbon footprint without compromising protection and comfort.

### **Raising the bar for protective garments**

Certified by EU Ecolabel<sup>3</sup>, LENZING™ FR fibers are used in protective garments of firefighters, military, police, and oil and gas and metal manufacturing industries in more than 100 countries. Setting new quality standards in the industry, protective garments made of LENZING™ FR fibers are light, breathable, soft, and comfortable even in extreme heat conditions. Additionally, LENZING™ FR fibers have met the definition of "inherently flame retardant and resistant fibers" as specified by the European Man-made Fibers Association (CIRFS).

LENZING™ FR fibers are also offered in a variety of colors using Eco Color technology, with up to 50% of energy and water savings and a 60% reduced carbon footprint than conventional resource-intensive dyeing method<sup>4</sup>. With long-lasting color fastness and design flexibility, LENZING™ FR fibers do not require additional color processing by yarn makers or fabric mills and are less prone to fade even after repeated washing.

Lenzing will showcase the industry's first environmentally friendly firefighter garment at the A+A trade fair (booth 16/C56) in Germany on 24-27 October 2023. With a focus on circularity, the firefighter garment

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<sup>1</sup> Details of the certification are available on the TENCEL™ website. Find out more: [www.tencel.com/true-carbon-zero](http://www.tencel.com/true-carbon-zero)

<sup>2</sup> Carbon neutrality is achieved by measuring, reducing and offsetting remaining carbon emissions by financing carbon compensation projects (e.g. reforestation projects) and by retiring carbon credits so that the impact of global warming of the product's carbon footprint is calculated as zero.

<sup>3</sup> The EU Ecolabel is recognized in all member states of the European Union, as well as Norway, Liechtenstein and Iceland. The voluntary label, introduced by an EU regulation in 1992 (Regulation EEC 880/92), has gradually become a reference point for consumers who want to help reduce pollution by purchasing more environmentally-friendly products and services

<sup>4</sup> Details about energy and water savings and reduced carbon footprint can be found in our Lenzing for Protective Wear brochure. Read more [here](#).

comprises of more than 50% of LENZING™ FR fiber content in all layers, including a significant amount of mechanically recycled LENZING™ FR and other high performance fibers.

Images related to the announcement can be downloaded from [here](#).

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**About LENZING™**

LENZING™ is the specialty industrial brand under the Lenzing Group. The brand is leading industry standards in sustainability to provide smart solutions from botanic origin that offer advanced performance and are made in environmentally sound production processes. Fibers under the LENZING™ brand are biodegradable and derived from semi-natural forests and sustainably managed plantations, as proved by FSC® or PEFC™ certification.

The LENZING™ brand's solutions cover a range of industrial applications under branded offers LENZING™ for Protective Wear, LENZING™ for Workwear, LENZING™ for Automotive Interiors, LENZING™ for Packaging, LENZING™ for Agriculture, LENZING™ for Engineered Products, LENZING™ for Biorefinery and Co-Products. The solutions feature fiber types LENZING™ Lyocell, LENZING™ Modal, and LENZING™ Viscose. LENZING™ solutions are developed using innovative technologies such as FR technology, REFIBRA™ technology, Eco Soft technology, and Eco Color technology.

**About the Lenzing Group**

The Lenzing Group stands for ecologically responsible production of specialty fibers made from the renewable raw material wood. As an innovation leader, Lenzing is a partner of global textile and nonwoven manufacturers and drives many new technological developments.

The Lenzing Group's high-quality fibers form the basis for a variety of textile applications ranging from elegant ladies clothing to versatile denims and high-performance sports clothing. Due to their consistent high quality, their biodegradability and compostability Lenzing fibers are also highly suitable for hygiene products and agricultural applications.

The business model of the Lenzing Group goes far beyond that of a traditional fiber producer. Together with its customers and partners, Lenzing develops innovative products along the value chain, creating added value for consumers. The Lenzing Group strives for the efficient utilization and processing of all raw materials and offers solutions to help redirect the textile sector towards a closed-loop economy. In order to reduce the speed of global warming and to accomplish the targets of the Paris Climate Agreement and the "Green Deal" of the EU Commission, Lenzing has a clear vision: namely to make a zero-carbon future come true.

**Key Facts & Figures Lenzing Group 2022**

Revenue: EUR 2.57 bn

Nominal capacity: 1,145,000 tonnes

Number of employees (headcount): 8,301

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