

feels refreshing, naturally



TENCEL™ Active



Feels so right

TENCEL™ Active

TENCEL™ fibers of botanic origin keep your body pleasantly cool and dry, offering natural comfort and versatility.

TENCEL™ branded fibers are well suited to sportswear. The special fiber structure leads to effective moisture management. Submicroscopic canals between the microscopic fibrils of individual TENCEL™ Lyocell fibers and the internal fiber structure of TENCEL™ Modal fibers regulate the absorption and release of moisture, which contribute to your performance by keeping your body pleasantly cool and dry.



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feels right features



botanic origin

TENCEL™ Lyocell and Modal fibers are manufactured from the renewable source of raw material wood, harvested from certified and controlled sources following the stringent guidelines of the Lenzing Wood and Pulp Policy.



supply chain transparency

With fiber identification technology based on a special production process, TENCEL™ fibers can be verified as authentic in the value chain through Lenzing testing. This method of identification supplements transparency and traceability in the supply chain and ensures the authenticity of TENCEL™ fibers.



carbon neutral

Carbon-zero TENCEL™ Lyocell and Modal fibers contribute to reducing climate impact. Acting on Lenzing's commitment to the Science Based Targets initiative and supporting the UN Sustainable Development Goals, carbon-zero TENCEL™ Lyocell and Modal fibers are third party certified as carbon neutral by means of carbon emission reduction and respective compensation measures. These fibers contribute to protecting the environment and reducing climate change, are developed with three pillars:

- lowering carbon emissions,
- using renewable energy sources at Lenzing production sites, and
- supporting verified global carbon reduction projects to compensate for fiber related emissions that are not yet avoidable.



unfavorable for bacterial growth

Through moisture management, TENCEL™ Lyocell fibers absorb moisture efficiently. In comparison to polyester and synthetics, and even to cotton, there is less available moisture formed on the surface of the fiber for bacteria to grow. Consequently, TENCEL™ Lyocell fibers provide a less favorable environment for bacterial growth, offering better hygienic qualities.



thermal regulation

TENCEL™ Lyocell fibers have a higher vapor uptake than cotton combined with their smooth fiber surface. This supports the body's natural thermal regulating mechanism, keeping your skin feeling pleasantly cool and dry throughout any sporting activity.

Blending TENCEL™ Lyocell and Modal fibers with synthetic fibers result in high performance sportswear for athletic activities, which generate high levels of perspiration. When used in the right fabric design, TENCEL™ Lyocell and Modal fibers offer a quick drying effect through efficient moisture absorption, spreading, and buffering, resulting in enhanced breathability and thermal comfort.



TENCEL™ athleisure

TENCEL™ Lyocell and Modal fibers are also suitable for athleisure. Assigned to fashion-inspired sportswear, TENCEL™ fibers favorably influence athleisure aesthetics through highly saturated colors, sheen, and smooth textures.

applicable technologies



REFIBRA™ technology

The pioneering REFIBRA™ technology involves upcycling cotton scraps from garment production, in addition to wood pulp, where the raw material is transformed to produce new virgin TENCEL™ Lyocell fibers to make fabrics and garments.



Eco Color technology

Eco Color technology implements the process of spun-dyeing, where color pigments are deeply embedded into TENCEL™ Modal fibers. Spun-dyeing provides efficient ecological advantages, whereby resources are used sparingly. This eco-responsible technology offers long-lasting color-fastness and design flexibility in textiles.



Eco Soft technology

TENCEL™ Modal fibers are produced by Eco Soft technology, offering exquisite softness to textiles. The technology uses an integrated pulp-to-fiber process that has high recovery rates of process ingredients and generates very low emissions to air, making this fiber an environmentally responsible choice.



Micro technology

Micro technology offers an even finer quality of lightness and exquisite softness to cellulosic fibers, producing lightweight fabrics with long-lasting comfort. Fabrics containing TENCEL™ Lyocell and Modal fibers with Micro technology offer efficient moisture absorption to ensure natural skin comfort.

contact for further information

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