



**feels right,
naturally**

 **Tencel™**
Feels so right

TENCEL™

TENCEL™ cellulosic fibers of botanic origin define a new standard of sustainability and natural comfort for you.

TENCEL™ branded lyocell fibers, known for their natural comfort, quality, performance, and versatility, are ideal for ready-to-wear applications thanks to the fibers' unique properties. These fibers are produced in an environmentally responsible closed loop process, and have a high tenacity profile and outstanding moisture management.

Exquisitely soft and pleasant on the skin, TENCEL™ branded modal fibers also exhibit high flexibility and a smooth surface. TENCEL™ Modal blended with other fibers significantly improves the softness properties of fabrics, enhancing overall comfort.

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naturally**



feels right features



botanic origin

TENCEL™ Lyocell fibers are derived from sustainable wood sources and TENCEL™ Modal fibers are mainly 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.



sustainable production

TENCEL™ Lyocell fibers have gained the reputation for their environmentally responsible closed loop production process, which transforms wood pulp into cellulosic fibers with high resource efficiency and low ecological impact. This solvent-spinning process recycles process water and reuses the solvent at a recovery rate of more than 99%.



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.



moisture management

TENCEL™ Lyocell fibers have a higher vapor uptake than cotton. Combined with their smooth fiber surface, the fibers support the body's natural thermal regulating mechanism, keeping your skin pleasantly cool and dry throughout the day and night.



biodegradable

All TENCEL™ standard Lyocell and Modal fibers are biodegradable and compostable under industrial, home, soil, fresh water and marine conditions, thus they can fully revert back to nature.



long-lasting softness

Exhibiting high flexibility, TENCEL™ Modal wood-based fibers offer textiles a long-lasting quality of exquisite softness. Owing to the fiber's sleek cross section, TENCEL™ Modal fibers enhance the soft touch of fabrics even after repeated washing.



gentle on skin

TENCEL™ Lyocell fibers are naturally soft to the touch and offer long-lasting comfort. When viewed under an electron microscope, TENCEL™ Lyocell fibers exhibit a smooth surface area, giving fabrics a soft feel and ensuring comfort for sensitive skin.

applicable technologies



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.



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.



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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