



**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 are known for their natural comfort and environmentally responsible closed loop production process. They deliver quality, performance and versatility. Unique physical properties lead to their high tenacity profile, outstanding moisture management and gentleness to skin.

Brilliant in color and luster, TENCEL™ branded modal fibers are also known for being exquisitely soft and pleasant to the skin. TENCEL™ Modal fibers exhibit high flexibility, resulting in a naturally soft quality to the textile. Blending TENCEL™ Modal with other fibers significantly improves softness properties of fabrics, enhancing overall comfort.



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## botanic origin

TENCEL™ Lyocell fibers are derived from sustainable wood sources, harvested from certified and controlled sources using a closed loop production process.

TENCEL™ Modal fibers are mainly manufactured from the renewable source of raw material beech wood, sourced from sustainable forests in Austria and neighboring countries, produced by Eco Soft technology.



## 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%.

# applicable technology



## Eco Color technology

Eco Color technology implements the process of dope dyeing, where color pigments are deeply embedded into modal fibers. Dope-dyeing provides efficient ecological advantages, whereby resources are used sparingly. This eco-responsible technology offers long-lasting color-fastness and design flexibility in fabrics.



## Micro technology

Micro technology offers even a finer quality of lightness and exquisite softness to cellulosic fibers, producing lightweight fabrics with long-lasting comfort. TENCEL™ Lyocell and Modal Micro fibers are extra fine and light, offering efficient moisture absorption to ensure natural skin comfort.



## Eco Soft technology

TENCEL™ Modal fibers are produced by Eco Soft technology, offering exquisite softness to textiles. The technology uses elemental chlorine-free bleaching in an integrated pulp to fiber process that has high recovery rates of process ingredients, making this fiber an environmentally responsible choice.



## REFIBRA™ technology

The pioneering REFIBRA™ technology involves upcycling cotton scraps e.g. 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.

# feels right features



## color retention

Color pigments embedded in dope-dyed fiber retain long-lasting color vibrancy more than conventionally dyed fiber, and are less prone to fade even after repeated washing.



## enhanced breathability

TENCEL™ Lyocell fibers support body temperature regulating properties through their moisture management. Derived from natural material, the microscopic fibrils of cellulosic fibers are structured to regulate the absorption and release of moisture, contributing to more breathable fabrics that support the body's natural thermal regulation.



## feels cool and dry

The smooth fiber surface of TENCEL™ Lyocell fibers absorbs moisture more efficiently than cotton. This supports the body's natural thermal regulating mechanism, keeping your skin feeling pleasantly cool and dry throughout the day and night.



## long-lasting softness

Exhibiting high flexibility, TENCEL™ Modal wood-based fibers offer textiles a long-lasting quality of exquisite softness. Due 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 smooth feel and ensuring comfort for sensitive skin.



## strength

TENCEL™ Lyocell fibers are versatile and distinguished by their greater strength among cellulose fibers.

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