



gentle fiber blend for
intimate comfort



TENCEL™
Intimate

LENZING™ Lyocell LF

 **Tencel™**
Feels so right



a gem of fiber blending

The quality of a textile can be predicted before it is fabricated together. In the finest fabrics, each fiber is specifically chosen to withstand the general wear of well-loved garments.

Low fibrillation TENCEL™ Lyocell fibers possess inherent performance-related fiber properties that contribute to the strength and comfort of blended fabrics. These fibers are good blending partners, elevating other fibers, especially cotton fibers, with the gentle support and temperature control desired in baby and children's wear, intimates and other applications that require a more tender touch.



gentle strength: the dual nature of low fibrillation fibers

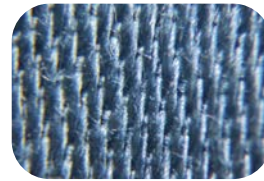
Blending with low fibrillation TENCEL™ Lyocell fibers increases the cotton yarn strength in the blends, preserving the feeling and appearance of the final product for longer. These fibers enhance fabrics with remarkable performance and longevity, achieving durable smoothness and ensuring a fine feeling for longer.



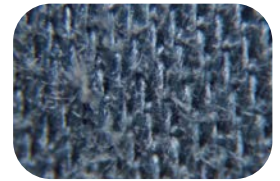
smoothness

TENCEL™ Lyocell fibers are naturally smooth to the touch. When viewed under an electron microscope, TENCEL™ Lyocell fibers exhibit a sleek surface area, enabling fabrics to glide lightly over skin.

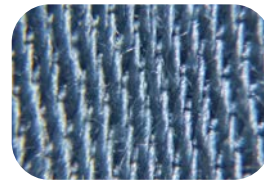
Comparing the effects of washing on fabrics made with standard TENCEL™ Lyocell fibers and fabrics made with TENCEL™ Lyocell LF fibers revealed that fabrics made with TENCEL™ Lyocell LF fibers are smoother and maintain performance of the fabric after 5 washes*.



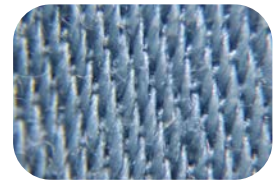
LENZING™ Lyocell
before washing



LENZING™ Lyocell
after washing 5 times



LENZING™ Lyocell LF
before washing



LENZING™ Lyocell LF
after washing 5 times



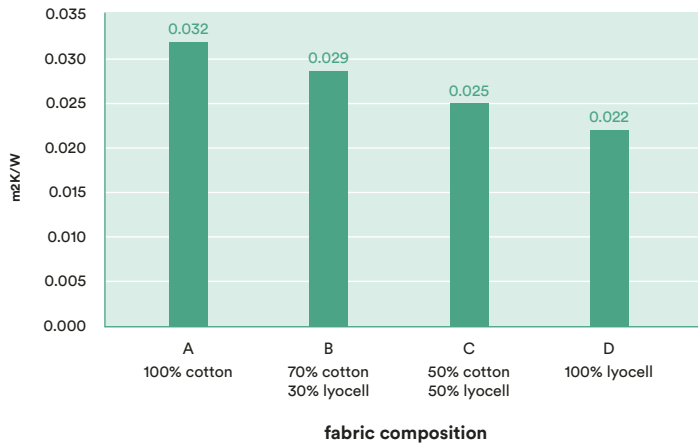
moisture management

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

The lyocell cellulose 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 cool and dry. Fabrics can also be engineered to provide warm and dry sensations on the skin.

*To achieve the same smoothness as TENCEL™ Lyocell LF, fabrics made with standard TENCEL™ Lyocell fibers must undergo resination.

Thermal resistance (ISO 11092:2014)



breathable, cool and dry

The impressive water absorption and thermal resistance of TENCEL™ Lyocell fibers improve the cooling feeling and moisture management of blended fabrics.

***a lower value equates to a better cooling feeling, therefore fabrics made with TENCEL™ Lyocell offer a better cooling feeling**

the naturally good blending partner

TENCEL™ Lyocell fibers are enhanced by the peace of mind that comes with knowing your textiles are produced in a way that is good for people and the earth. The fibers are tested for harmful substances and compliant with the STANDARD 100 by OEKO-TEX® certification, taking measures to ensure that the fibers are harmless to human health.



botanic origin

TENCEL™ Lyocell fibers are derived from sustainable wood sources, harvested from FSC® (FSC-C041246) and PEFC™ (PEFC/06-33-92) certified and controlled sources following the stringent guidelines of the Lenzing Wood and Pulp Policy.

Moreover, wood and pulp used by the Lenzing Group comes from sustainably managed forests. TENCEL™ Lyocell fibers have earned United States Department of Agriculture (USDA) BioPreferred® designation.



produced in Austria

TENCEL™ Lyocell fibers are produced at a specialized production site in Austria. They have been certified with the EU Ecolabel for textile products (license no. AT/016/001) as meeting high environmental standards throughout their life cycle: from raw material extraction to production, distribution and disposal.

“feels right” features



gentle on skin



strength



sustainable production

applicable technologies



REFIBRA™ technology



Micro technology



In line with United Nations Sustainable Development Goals

SUSTAINABLE DEVELOPMENT GOALS



7 affordable and clean energy

To ensure access to affordable, reliable, sustainable and modern energy for all.

Lenzing contributes to SDG 7 and improves the efficiency of energy-intensive pulp and fiber production processes by using energy conversion technologies for heat and electricity, employing renewable fuels, switching from coal to natural gas and implementing its biorefinery concept. Lenzing's biorefineries are self-sufficient in terms of energy and produce surplus steam and electricity energy for on-site purposes and the local grid, providing renewable green energy for new investments.



15 life on land

To sustainably manage forests, combat desertification, halt and reverse land degradation, and halt biodiversity loss.

With longstanding, responsible raw material sourcing practices, Lenzing contributes to SDG 15 by strictly complying with its Wood and Pulp policy and sourcing only from sustainably managed forests and plantations. Compostable and biodegradable Lenzing fibers do not contribute to plastic pollution. Co-financing with the Austrian Development Agency (ADA), Lenzing's afforestation and conservation project in Albania bring Albanian and Austrian forest experts together to collaborate on forest management skills, enable idea exchanges and afforest 20 ha of degraded communal land in rural Albania.



LENZING™ Lyocell LF fiber properties

Titer (dtex)	0.9	1.3
Cut length (mm)	34	38
Tenacity cond. (cN/tex)	35	33
Elongation cond. (%)	12	10
Tenacity wet (cN/tex)	29	27
Elongation wet (%)	13	12
Moisture (%)	10.5	10.5

feels so right

contact for further information

HEAD OFFICE

Lenzing: Lenzing Aktiengesellschaft, Werkstraße 2, 4860 Lenzing, Austria
Tel: +43 7672 7010, Fax: +43 7672 701 3880, E-mail: fibers@lenzing.com

GLOBAL OFFICES

India: Lenzing Fibers India Pvt Ltd.

Srivari Shrimat, 5th Floor (rear side), 1045, Avinashi Road, 641018 Coimbatore, Tamil Nadu, India
Tel: +91 422 4292 800 Fax: +91 422 4292 814 E-mail: india@lenzing.com

Hong Kong: Lenzing Fibers (Hong Kong) Ltd.

Unit 801-806, 8th Floor, Lu Plaza, 2 Wing Yip Street, Kwun Tong, Kowloon, Hong Kong
Tel: +852 3718 5600, Fax: +852 3718 5601, E-mail: hongkong@lenzing.com

Istanbul: Lenzing Elyaf A.Ş.

Akat Mah. Ebulula Mardin Cd. Maya Meridien Plaza, No.16, 34335, Akatlar-Beşiktaş, İstanbul, Turkey
Tel: +90 212 349 7171, Fax: +90 212 349 7181, E-mail: turkey@lenzing.com

Jakarta: PT. South Pacific Viscose

Sampoerna Strategic Square, South Tower, 22nd Floor, Jl. Jend. Sudirman Kav. 45-46, Jakarta 12930, Indonesia
Tel: +62 21 577 1630, Fax: +62 21 577 1640, E-mail: jakarta@lenzing.com

New York: Lenzing Fibers Inc.

530 Seventh Avenue, Suite 808, New York, NY 10018, U.S.A.
Tel: +1 212 944 7400, Fax: +1 212 944 7816, E-mail: newyork@lenzing.com

Seoul: Lenzing Korea Yuhan Hoesa

19th Floor, 2 Wiryeseong-daero, Songpa-gu, Seoul, 05544, Korea
Tel: +82 2 782 6131, Fax: +82 2 782 6132, E-mail: seoul@lenzing.com

Shanghai: Lenzing Fibers (Shanghai) Co., Ltd.

Unit 06-08, 15th Floor, Garden Square, 968 West Beijing Road, 200041 Shanghai, China
Tel: +86 21 3315 2438, Fax: +86 21 6341 0007, E-mail: shanghai@lenzing.com

Singapore: Lenzing Singapore PTE Ltd.

111 Somerset Road, TripleOne Somerset 13-35|38, Singapore 238164, Singapore
Tel: +65 65 506 730, E-mail: singapore@lenzing.com

Taiwan: Lenzing Taiwan Fibers Ltd.

7th Floor, 53 Dongxing Road, Xinyi District, Taipei City 11070, Taiwan (R.O.C.)
Tel: +886 2 8768 1023, Fax: +886 2 8768 2933, E-mail: taipei@lenzing.com

www.tencel.com

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Innovative by nature