

LENZING LYOCELL® LF
EASY USER GUIDE TO FEEL GOOD.



WHAT IS LENZING LYOCELL® LF?

Lenzing Lyocell® LF is a further development of the Lyocell fibre which is already established in the market.

➔ **LF stands for low fibrillation. This means that:**

LYOCELL LF IS A LOW-FIBRILLATION FIBRE WITH ALL THE POSITIVE FIBRE PROPERTIES OF LENZING LYOCELL®.

The dyeing process is simplified since there is no need for special machinery. This opens up completely new applicational possibilities for your benefit.



EASY - PROCESSING.

When it comes to spinning, knitting and weaving, LENZING LYOCELL® LF displays an excellent processing behaviour. The tenacity of the yarns and fabrics are outstanding.

- ➔ Compared to the classical Lyocell fibre, LENZING LYOCELL® LF can be processed on conventional machinery without the use of supplementary additives as is the case with Modal and Viscose.



LESS CAN OFTEN BE MORE!

➔ Lenzing Lyocell® LF has a lower fibrillation than the conventional Lyocell fibre.



Lyocell



Lyocell LF



MANY OPPORTUNITIES.

➔ The applications for **Lenzing Lyocell® LF** are manifold:

KNITTED GOODS, such as nightwear, lingerie or sportswear

SOCKS AND HOSIERY

LACE AND RASCHEL FABRICS

TERRY TOWELLING GOODS, such as towels and bathing robes

WOVEN GOODS, such as shirts and outer wear

BLENDS particularly with cotton





EASY DO'S AND DONT'S ➔

CAREFUL! WITH THE FOLLOWING PARAMETERS.

- ➔ To retain fibrillation protection as a whole, the following process parameters should **never be exceeded**. Otherwise fibrillation protection could be reduced quite considerably. This does not become immediately apparent after finishing but could, in some cases, only become obvious after several washings.



CAREFUL! DYEING.

EXHAUST DYEING



> 100 °
CELSIUS

At higher temperatures in acid conditions.
Such as for example in blends with polyester and polyacrylic



< 5,5



CAREFUL! WITH THE FOLLOWING PARAMETERS.

HIGH CONCENTRATIONS OF ALKALI AND PEROXIDE AT HIGHER TEMPERATURES



> 90 °
CELSIUS

Such as are common when
bleaching pure cotton or linen.

LOTS OF SUCCESSIVE PROCESS STEPS

Such as: bleaching dyeing, stripping and dyeing.



EASY! PRETREATMENT.

YOU CAN

PREWASHING

CAUSTICIZING

DESIZING

MERCERISING

SINGEING

HEAT-SETTING



EASY! BLEACHING.

Lenzing Lyocell® LF can generally be bleached in the same conditions as for Modal and Viscose.

YOU CAN

PEROXIDE BLEACHING WITH A
BLEACHING ACTIVATOR*

*A gentle process for all sensitive fibre types

HYDROGEN PEROXIDE- COLD PAD-
BATCH BLEACHING

HOT BLEACHING USING THE EXHAUST
DYEING METHOD:

Peroxide bleaching respectively combination bleaching
(peroxide + reductive bleach)

PAD STEAM BLEACHING



EASY! DYEING AND FINISHING.

YOU CAN

THERMOSOL PROCESSES SUCH AS CURING OR HEAT-SETTING PROCESSES



170 - 210 °
CELSIUS



EASY! DYEING OF BLENDS.

In blends **Lenzing Lyocell® LF** can be dyed in the following conditions:

YOU CAN

WOOL/SILK metallic complex and acid dyestuffs

POLYAMIDE metallic complex and acid dyestuffs

COTTON mercerisation, direct and reactive dyeing
and vat dyeing (cold-dyeing and warm-dyeing dyestuffs)

ELASTANE



EASY! FINISHING.

YOU CAN

SOFTENERS
e.g. polyurethane

RESIN TREATMENT

ANTI-SOIL FINISH

ETC.



LENZING LYOCELL[®] LF FEEL GOOD BENEFITS:



VERY SIMILAR TO COTTON BUT WITH BETTER FIBRE DATA



THE FIBRE HAS A NATURAL CRIMP









WHICH MEANS A NATURAL TEXTILE CHARACTER



FREE OF FORMALDEHYDE

LENZING LYOCELL® LF EASY BENEFITS:

-  PROCESSING ON CONVENTIONAL MACHINES
-  LOWER PROCESSING COSTS
-  OUTSTANDING PROCESS RELIABILITY
-  BETTER REPRODUCIBILITY
-  NO NEED FOR FIBRILLATION AND DEFIBRILLATION
-  LOW FINISHING COSTS

LYOCELL - THE ADVANCED FIBRE. CONTACT US.

WE OFFER TECHNICIANS DETAILED INFORMATION ON PROCESSING
LENZING LYOCELL® LF. SIMPLY CONTACT US AT:

 WWW.LENZING-FIBERS.COM

PHONE ++43 7672/7012852 FAX ++43 7672/7013222 E-MAIL TECHNIC-LYOCELL@LENZING.COM





THE ADVANCED FIBER

Lenzing AG, A-4860 Lenzing, Phone: ++43 7672/701-0, Fax: ++43 7672/96856