



ECOFRIENDLY
FABRIC?

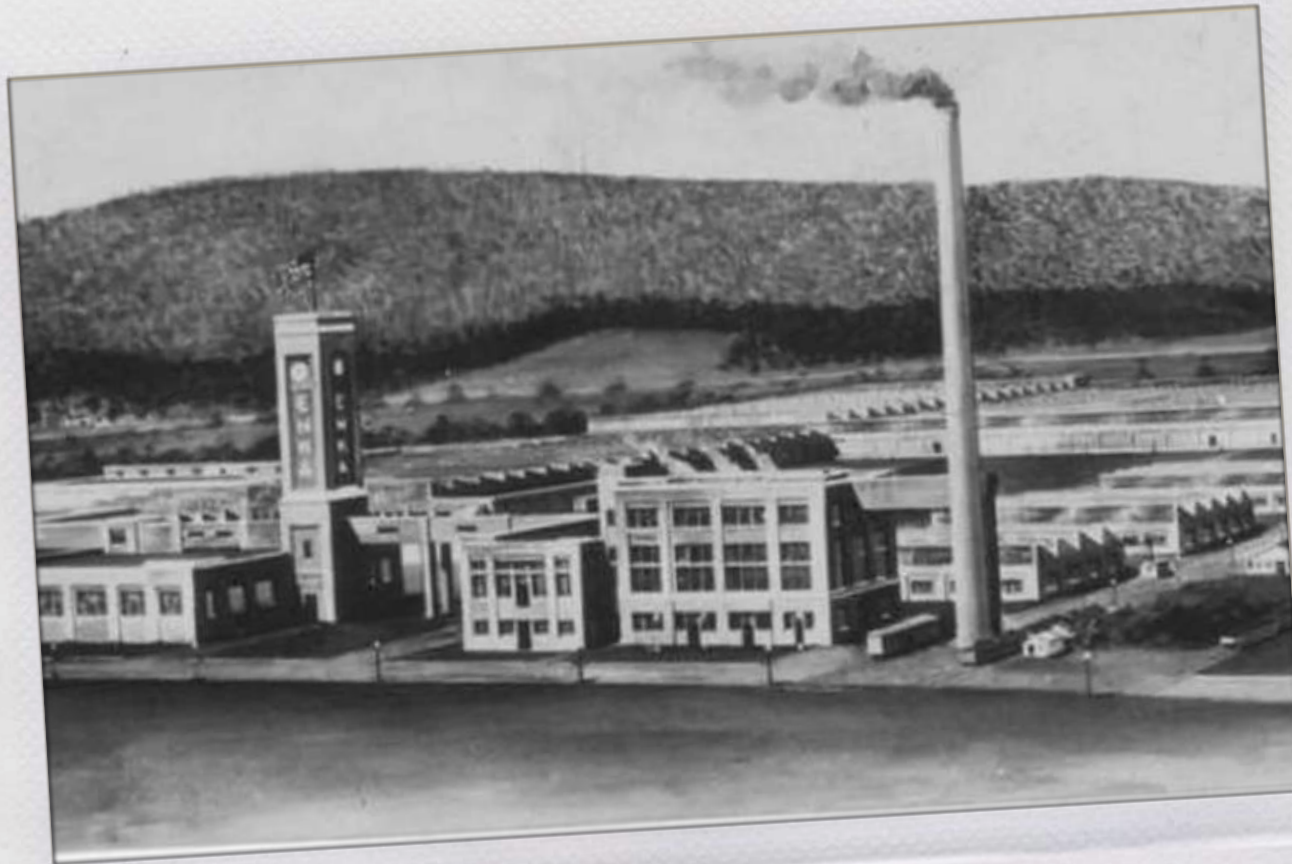
**DID YOU KNOW THAT
LYOCELL IS A FABRIC MADE
WITH NATURAL MATERIALS
BUT STILL
COMFORTABLE?**





what is lyocell?

Lyocell is a semi-synthetic fabric that is commonly used as a substitute for cotton or silk. This fabric is a type of rayon, and consists mainly of cellulose derived from wood.



Originally developed by American Enka in 1972, the lyocell became popular in the last decades of the 20th century, and is still relatively popular around the world. Since they are made mostly of organic materials, they are seen as a more sustainable alternative to fully synthetic fibers like polyester.

ENIC

TENCEL IS ONE OF THE PREMIUM CLASS TEXTILE FABRICS MADE OF WOOD FIBER. THIS WOOD FIBER IS CALLED LYOCELL.



A KIND OF BIOGRADIBLE MATERIAL FROM SLUCOSE WOOD POWDER WHICH IS ALSO CALLED ORGANIC SPICE GRASS. THE NAME TENCEL ITSELF IS ACTUALLY A TRADEMARK OF LYOCELL FIBER PRODUCED BY THE COMPANY LENZING AG.



Consumers generally perceive lyocell fabrics to be soft to the touch, and many people cannot tell the difference between this fabric and cotton.



Lyocell fabrics are very strong both wet and dry, and are more resistant to pilling than cotton. Textile manufacturers love the fact that it is easy to mix this fabric with other types of textiles; for example, it works well with cotton, silk, rayon, polyester, nylon and wool.

WHAT DIFFERENT TYPES OF LYOCELL FABRIC ARE THERE?

VISCOSE RAYON

In some cases viscose rayon may be cheaper to produce than Tencel, but it is clear that this fabric is technologically out of date.

MODAL RAYON

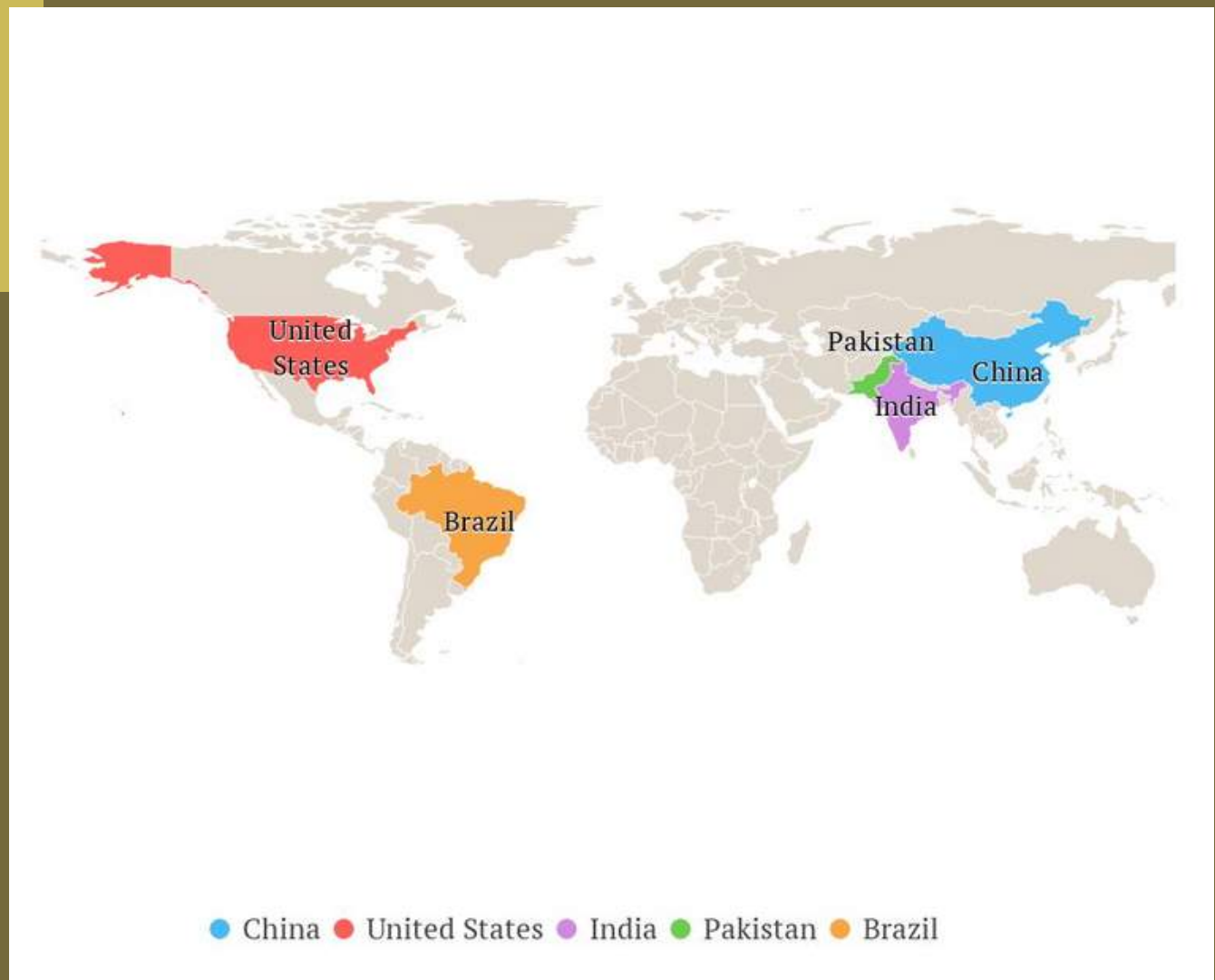
Modal rayon is manufactured by a simpler process than viscose rayon, and significantly more tensile than other types of cellulosic fibers.



FIBER CHARACTERISTICS

1. Excellent strength
2. Washable
3. Shrink- and wrinkle-resistant
4. Soft hand
5. Excellent drape
6. Absorbent
7. Dyes and prints well

Where Is Lyocell Fabric Produced?



first created
**UNITED
STATES**

biggest exporters
**EUROPE
CHINA**



CONS

1. Costs more to produce than cotton
2. Chemicals used can agitate sensitivities

PROS

1. Environmentally Friendly
2. Soft and Comfortable to Wear
3. Breathability & Moisture Absorption



HOW IS LYOC USED FABRIC

1.As a substitute for cotton or silk

Used for dress, shirt, towels, and underwears

2. For commercial uses

As fabric parts of conveyor belt because the longer life and resistant to wear and tear

3.For medical uses

Used in medical dressings

4.As a component for specialty paper

Used as a filtration material