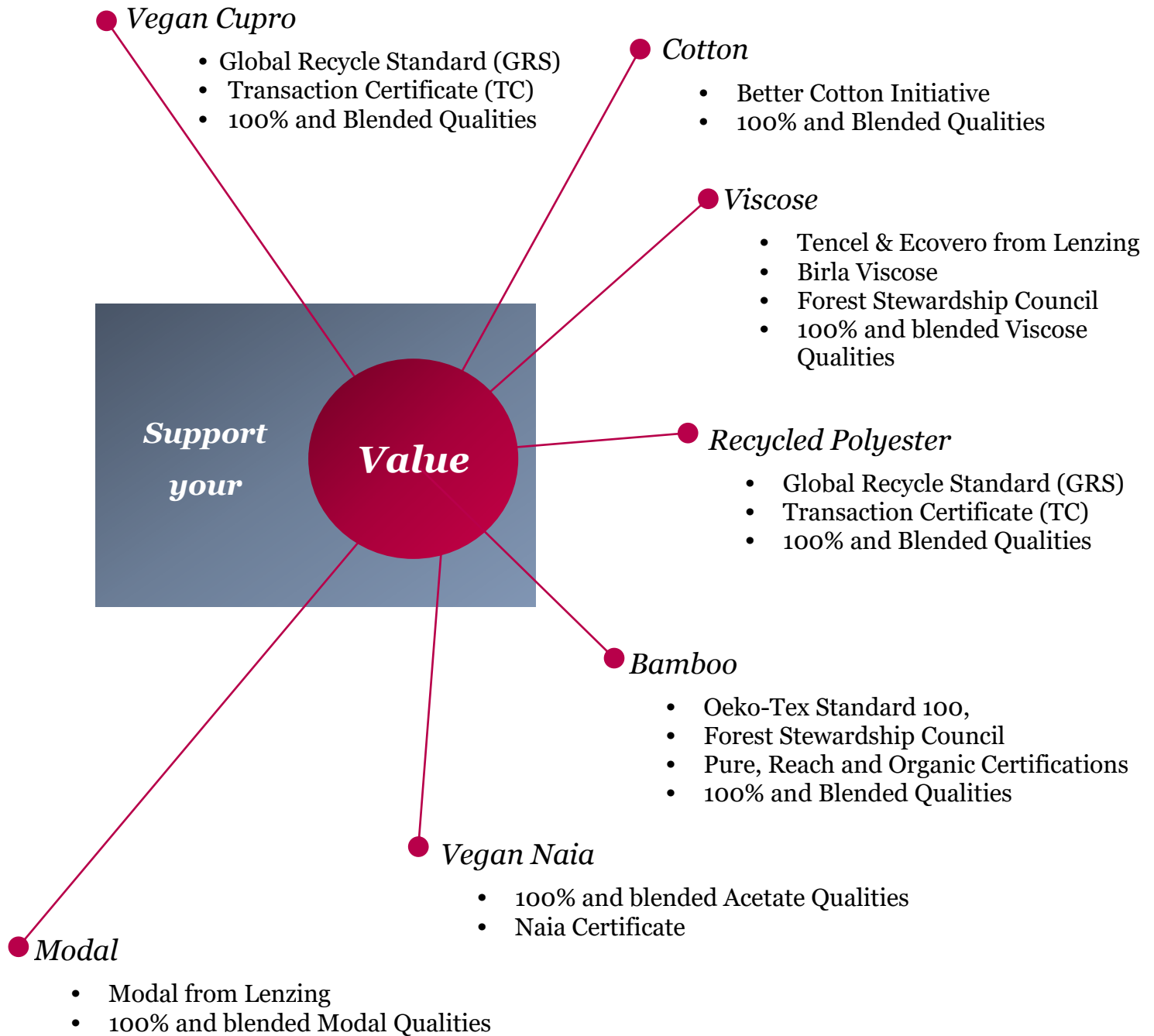


### Fibers

İpeker concentrates Sustainable Fiber Solutions. Our goal is to develop our product range with sustainable fibers under the framework of traceable system.

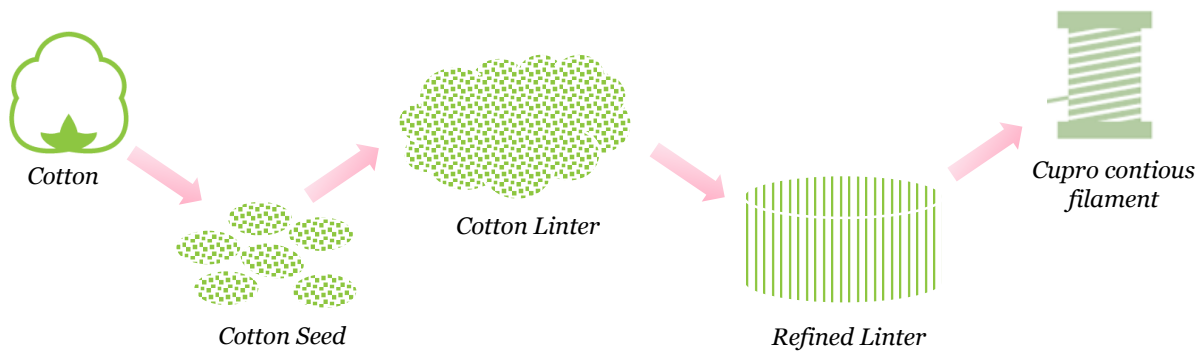


Please find the details of fibers which are used in İpeker at the pages from 9 to 16.

### Fibers (Continue)



Cupro is made from cotton linter, the short downy fiber enfolding cotton seeds, and is normally disposed without being used as a fiber source. Asahi Kasei removes all impurities from the pre-consumer waste and transform it into a pure regenerated cellulose fiber.



The production lines include both of mechanical and chemical processes. Asahi Kasei's production process uses zero-waste policy, and the closed loop manufacturing in which solvents are fully recovered. Any cellulosic waste is used as fuel to generate electricity. According to the company, the conducted Innovhub third party lab test has proven that Cupro can claim full biodegradability end of life option. In addition, the LCA study signed by ICEA. Cupro has ISO 14001, Oekotex Standard 100 and GRS Certifications. It is also "Eco Mark product" that fibers using 100% unused materials. Cupro has GRS Certification.

Vegan Cupro needs less detergent and water for cleaning. It provides low detergent residue comparing to cotton and many other fibers.

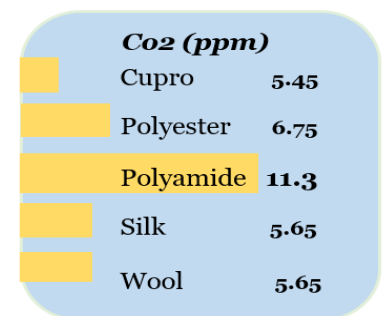
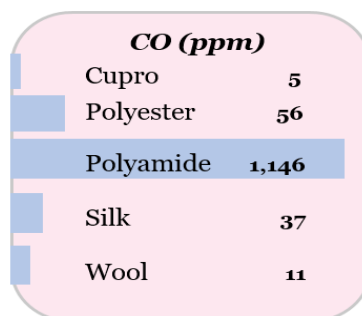
On the other hand, Vegan Cupro is gentle on the environment. It's biodegradable, and decomposes in soil. Cupro losses half of its original weight in approximately two months in soil.



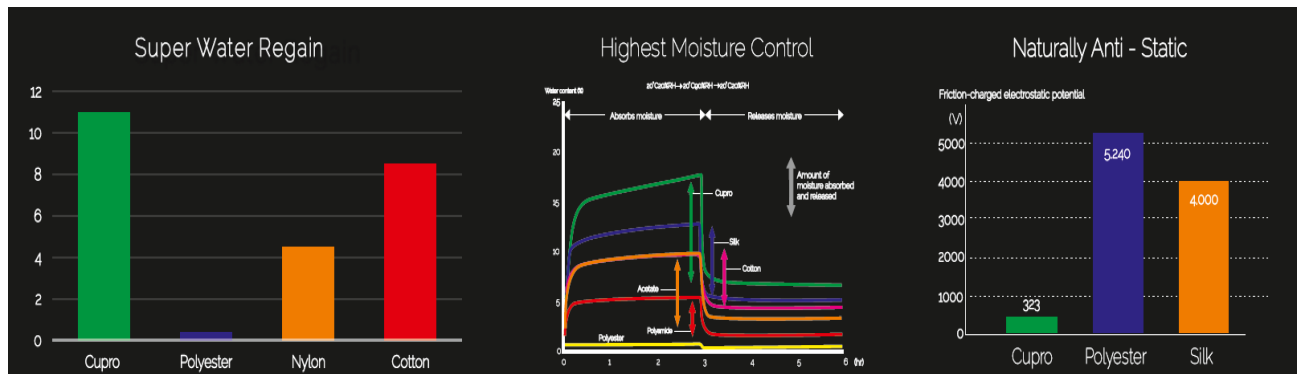
### Fibers (Continue)



### Gas released by the combustion of fibers



Comfort guaranteed all year:



### Some highlights of Ipeker Vegan Cupro Fabric:

- # Born From Cotton, Better Than Cotton
- # The Luxury Elegance
- # Silken Quality
- # Superiority Over All Other Fibers
- # Smooth Hand
- # Antistatic Effect
- # Biodegradable
- # Gentle on the Environment
- # Protein Free
- # Moisture Control
- # Thermal Effect
- # Soft Touch
- # Cool in Summer, Warm in Winter
- # Fluidity
- # Deep colour and Vibrant Lustre
- # Low Detergent Residue
- # Vegan



**Tip** Ipeker is Asahi Kasei's approved Cupro Producer.

#### Cotton

To be a sustainable and traceable Cotton user, İpeker is registered to Better Cotton Initiative.

The aim of BCI is not just procuring products that contain Better Cotton, but also transform the supply chain into a more sustainable one.



#### BCI Cotton provides

- + minimising the harmful impact of crop protection practices
- + promoting water stewardship
- + taking care for the health of the soil
- + enhancing biodiversity and use land responsibly
- + taking care for and preserve fibre quality
- + promoting decent work for Farmers
- + operating an effective management system



#### **Viscose**

İpeker uses FSC certified viscose yarn.

#### **Tencel**

- + Soft to the skin,
- + Smooth feel
- + Soothing cool feeling
- + Luxurious in shine and flow
- + Thermal Management
- + Moisture Absorption.
- + Colour brilliance - allows color dyes to penetrate deeply into the fiber structure
- + Ability to enhance breathability
- + Closed-loop process, contributing to the circular economy in the textile industry. The use of resources and energy is reduced to a minimum, at the same time we achieve distinguished level of environmental protection and resource preservation.

#### **Ecovero**

ECOVERO™ fibers are produced using pulp, which is derived from the renewable resource wood as raw material. Lenzing purchases wood and pulp derived from responsibly managed forests and certified to come from sustainable sources.

ECOVERO™ fibers have been certified with the EU Ecolabel as meeting high environmental standards (have a significantly lower environmental impact) throughout their life cycle: from raw material extraction to production, distribution and disposal.

The manufacturing of LENZING™ ECOVERO™ fibers generates up to 50% lower emissions and water impact compared to generic Viscose.



### Recycled Polyester

Made from post consumption plastic bottles collected in Northern Italy by using a mechanical processes (not chemical processes) to convert it into a polymer.

The use of recycled polyester, which requires fewer processing stages, means less energy is utilized during the production process, when compared to using virgin Polyester. As a result, Recycled Polyester has less carbon emission than virgin Polyester. Recycled Polyester has Oeko-Tex, Global Recycle Standard Certifications and Life Cycle Assessment which studied by ICEA.

	Consumption of Energy Resources	Global Warming Potential	Water Consumption
New Life	50.6 MJ	3.88 KG CO <sub>2</sub> eq	3.26 Lt
Virgin PET Fiber	127.2 MJ	5.7 KG CO <sub>2</sub> eq	60 Lt
<i>Saving</i>	<b>- % 60</b>	<b>- % 32</b>	<b>- % 94</b>

- + Skin Sun Protection.
- + UV Resistant.
- + Cotton Touch.
- + Thermal Management
- + Odor Control
- + Moisture Management
- + Cotton Touch
- + Anti-Bacterial