



acrycycle

Eco-friendly comfort



## Did you know... ?

That over **100 million** tons of fiber is produced every year, for use in the textile business sector. In the process **1 million** tons of dye, **42 million** tons of chemical substances and **93 billion m<sup>3</sup>** of water are consumed, and **2 billion** tons of greenhouse gas is released. After all these processes, **48 million** tons of clothes produced are thrown into the garbage and **75%** of these products, which are thought to end of life are either incinerated or go to landfill.



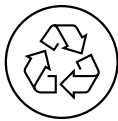
## Acrycycle is the world's first recycled acrylic fiber – How does it affect us?



### Low CO<sub>2</sub> Emissions and Sustainable Water Management

When you buy a product made with **Acrycycle**, your contribution to the environment can be expressed in numbers as follows:

**20%\*** less CO<sub>2</sub> emission,  
**32%\*** less water consumption\*\* and  
**99.7%** solvent recovery



### Natural Resource Management

With **Acrycycle**, acrylic fiber waste is recycled and used in the production cycle instead of landfilling and environmental pollution is prevented.



### Long-Lasting

**Acrycycle** products are long-lasting and environmentally friendly. **Acrycycle** reduces the need for new product, and minimizes consumption of natural resources. What's more, **Acrycycle** stays good-as-new for many years.



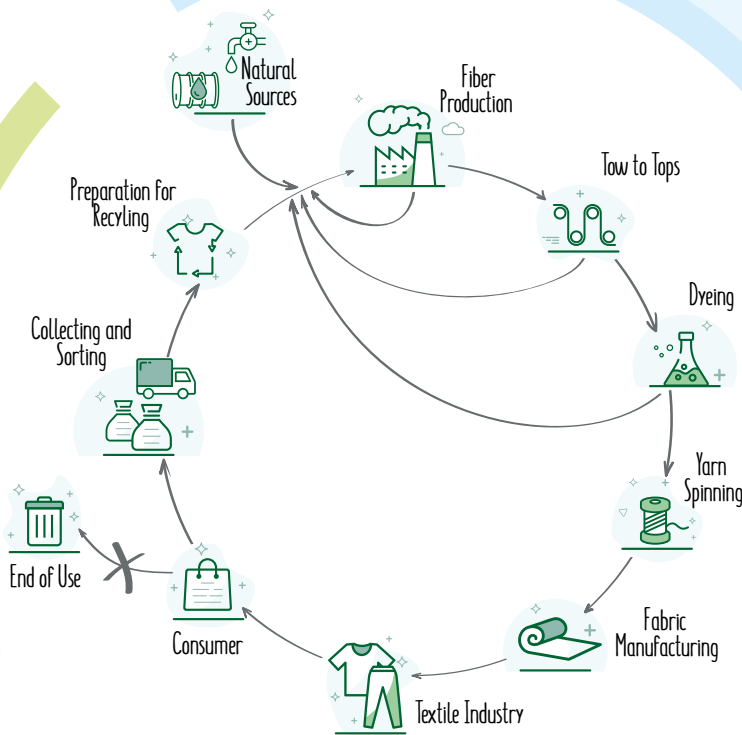
\*The LCA calculations were done with the 2020 data in accordance with ISO 14040/44 by using SimaPro 9.3 software, Ecoinvent 3.8 LCA database, and the "EF 3.0 Method (adapted) V1.02 / EF 3.0 normalization and weighting set"

\*\* Inventory metric method



Waste comprised during the production processes is recycled to product through **Acrycycle** technology. The next purpose of **Acrycycle** is to incorporate textile products that have completed their lifetime into the production process without losing their value. In this way, it is planned to increase the contribution to nature by ensuring the recycling of more waste.

## What We Do:



Certified by Control Union Certifications.  
CU 859713

**Acrycycle** is focused on transparency; its RCS certification and product **marking** method, ensures **tracking** of the product in the value chain is easily and safely achieved.

Production waste that occurs during the polymerisation, fiber production, tow to tops process and dyeing stages, can all be re-used in the production process.

In the near future, one of the goals is the recycling of textile wastes which are generated during the processes which start from the yarn production stage right through to the end-user.

The long term goal for **Acrycycle** is to provide the infrastructure needed to collect, sort and recycle surplus or redundant textiles.



No harmful chemicals are used in the recycling process.

Inspired by love for nature,  
people and life ...  
**Acrycycle** is designed for those  
who want to leave a sustainable  
world for future generations.



### Soft

Products made with  
**Acrycycle** have soft touch.



### Long Lasting

**Acrycycle** is durable and  
long lasting.



### Traceable

Thanks to its RCS certificate, its  
recycled content can be traced and  
verified.



### Thermal Comfort

**Acrycycle** provides moisture  
management and thermal  
comfort thanks to its  
breathable structure.



### High Quality

Made from recycled fibers, **Acrycycle**  
does not compromise on quality.



### Light

Comfortable to use, light  
weight fabrics are produced  
with **Acrycycle**.



Tested for harmful substances.  
[www.oeko-tex.com/standard100](http://www.oeko-tex.com/standard100)



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